

D 101-11:5-3431-204-20P

TM 5-3431-204-20P

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS
AND SPECIAL TOOL LISTS

WELDING MACHINE, ARC; GENERATOR; GASOLINE
ENGINE DRIVEN; SINGLE OPERATOR; REMOTE CONTROL;
300 AMP, DC, ARC; SKID MTD; 60 AMP AT 20 V MIN,
375 AMP AT 40 V MAX CURRENT; DC 115 V, 3 KW
AUXILIARY POWER: MIL SPEC W-13768 (HOBART
MODELS) (HOBART MODEL GH-3153)

FSN 3431-351-9209
(HOBART MODEL GH-3153-S)
FSN 3431-239-8186

This copy is a reprint which includes current
pages from Change 1.

HEADQUARTERS, DEPARTMENT OF THE ARMY
JANUARY 1963

TM 5-3431-204-20P
C 1

CHANGE }

NO. 1 }

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C. 21 February 1968

**Organizational Maintenance Repair Parts and Special Tool
Lists**

**WELDING MACHINE, ARC; GENERATOR; GASOLINE ENGINE DRIVEN;
SINGLE OPERATOR; REMOTE CONTROL; 300 AMP, DC, ARC; SKID
MOUNTED; 60 AMP AT 20V MIN., 375 AMP AT 40V MAX. CURRENT
DC, 115V, 3KW AUXILIARY POWER
(MIL SPEC W, 13768 HOBART MODELS)
(HOBART MODEL GH-3153)
FSN 3431-351-9209
(HOBART MODEL GH-3153-S)
FSN 3431-239-8186**

TM 5-3431-204-20P, 29 January 1963, is changed as follows: Cover and title page is changed as above. Change date on cover page to read January 1963.

Page vi, table 1, Prescribed Load Listing. In line item 2, change FSN from 2920-248-1618 to 2920-516-6778 and change manufacturer's code and part number from (19728) AR4S to (70040) SR44E.

In line 3, change FSN from 2920-294-3867 to 2920-817-8724 and change manufacturer's code from (19728) to (23040).

Page viii, Paragraph 5, Index to Federal Supply Code for Manufacturers. The following Federal supply codes are added to the list in proper numerical order:

23040. Ford Motor Co., Parts and accessories
operation

86403. Chrysler Corp, Parts Division

Paragraph 6 is superseded as follows:

6. Report of Equipment Publication Improvements

Report of errors, omissions, and recommendations for improving this manual by the individual user is encouraged. Reports should be submitted on a DA Form 2028 (Recommended Changes to DA Publications) and forwarded direct to Commanding General, U. S. Army Mobility Equipment Command, ATTN: AMSME-MPP, 4300 Goodfellow Boulevard, St. Louis, Mo. 63120.

All Federal stock numbers and reference numbers, additions, changes, and deletions should be made to indexes.

Page	Line	Action	Source codes				Federal stock number	Description	Units of issue	Repeatability	Quantity incorporated in unit	15 Days organizational maintenance						Guide quantities per 100 equipments				Illustrations												
			Technical service		Source	Maintenance						Recoverability	Field maintenance 15-day level		Depot maintenance	3rd Ezh	4th Ezh	5th Ezh	Fig. no.	Item no.														
			a	b									c	d							e			f	g	h	i	j	k	l	m	n	o	p
1	23	Ch. col. e					e	Section II. REPAIR PARTS LIST 0100 - ENGINE ASSEMBLY GASKET *** 2910-358-4748																										
5	15	Ch. col. e						0108 - ENGINE LUBRICATION SYSTEM ELEMENT, FILTER (81321) PD51 2940-141-9025																										
10	5	Ch. col. e						2910-358-4748 GASKET ***																										
10	6	Ch. col. e						2910-358-4748 GASKET ***																										
12	6	Ch. col. e						0301 - CARBURETOR 0304 - AIR CLEANER HOSE, AIR CLEANER: performed (28835) 5CW713 4720-541-3662																										
23	2	Ch. cols. e and f						0504 - WATER PUMP PUMP, WATER (86403) 1064925 2930-364-2760																										
29	43	Ch. cols. e and f						0604 - IGNITION COMPONENTS SPARK PLUG *** (70040) SR44E 2920-516-6778																										
30	2	Ch. cols. e and f						2920-817-8724 SPARK PLUG "B" (23040) AR8S 0607 - INSTRUMENT OR ENGINE CONTROL PANEL SWITCH, LOCK, IGNITION (92278) DW1014																										
30	2	Ch. cols. e and f						2920-272-1331																										

By Order of the Secretary of the Army:

HAROLD K. JOHNSON,
*General, United States Army,
Chief of Staff.*

Official:

KENNETH G. WICKHAM,
*Major General, United States Army,
The Adjutant General.*

DISTRIBUTION:

To be distributed in accordance with DA Form 12-25, Section I, requirements for organizational maintenance, welding equipment.

TECHNICAL MANUAL

No. 5-3431-204-20P

HEADQUARTERS,
DEPARTMENT OF THE ARMY
WASHINGTON 25, D.C., 29 January 1963

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOL LISTS

WELDING MACHINE, ARC; GENERATOR; GASOLINE ENGINE DRIVEN; SINGLE
OPERATOR; REMOTE CONTROL; 300 AMP, DC, ARC; SKID MTD; 60 AMP AT
20 V MIN, 375 AMP AT 40 V MAX CURRENT; DC 115 V, 3 KW AUXILIARY
POWER; MIL SPEC W-13768 (HOBART MODELS) (HOBART MODEL 6H-3153)
FSN 3431-351-9202 (HOBART MODEL GR-3153-S) FSN 3431-239-8186

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* This manual supersedes so much of Department of the Army Supply Manual ENG 7 & 8-5131, 19 October 1954, including C 2, 14 July 1959.

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SECTION I
INTRODUCTION

1. General

a. This manual lists the special tools and quantities of repair parts authorized and required to be stocked by organizational maintenance echelons as their prescribed load. Repair parts not authorized for stockage but which may be required to perform maintenance of the equipment are listed with no quantities shown. Information and data shown herein serve as requisitioning reference material, and as a guide to determine quantities of repair parts required for stockage.

b. Price information for stock-type repair parts may be obtained from applicable Department of the Army type 2-series supply manuals.

c. Repair parts lists are arranged as follows:

- (1) Individual parts and major assemblies are listed alphabetically by item name within the numbered functional groups.
- (2) Assembly components and subassemblies are indented and listed alphabetically by item name under major assemblies.
- (3) Bulk material and parts peculiar with more than one application are listed in either functional group 9501 or 9901.

d. Allowances are based on 1,500 hours operation per year.

e. Parts applicable to specific engines, serial number ranges, or models of this end item are indicated by a letter symbol in the description column, following the nomenclature. The symbols apply as follows:

- (A) Applies to Hobart Welding Machine Model GH-3153 W/Chrysler Model IND5A435 Engine.
- (B) Applies to Hobart Welding Machine Model GR-3153S W/Chrysler Model IND7A2M Engine.

Parts not symbolized or annotated are applicable to all end items.

2. Explanation of Repair Parts, Tool Lists, and Prescribed Load Listing (Table I).

a. *Source Codes.* This column is subdivided into four columns. The titles and information provided in each column are as follows:

- (1) *Technical service.* This column lists either the basic number of the technical service or code symbol of the supply center assigned supply responsibility for the part. Those spaces left blank denote Corps of Engineers supply responsibility. General Engineer supply parts are identified by the letters "GE" in parentheses, following the nomenclature in the description column. Other technical service basic numbers or supply center code symbols are:

3—Chemical Corps
9—Ordnance Corps
10—Quartermaster Corps
11—Signal Corps
55—Transportation Corps

- (2) *Source.* The selection status and source of supply for each part are indicated by one of the following code symbols:

- (a) P—applied to high-mortality repair parts which are stocked in or supplied from the technical service depot system and authorized for use at indicated maintenance echelons.
- (b) P1—applied to repair parts which are low-mortality parts, stocked in or supplied from technical service depots, and authorized for installation at indicated maintenance echelons.
- (c) M—applied to repair parts which are not procured or stocked but are to be manufactured at indicated maintenance echelons.
- (d) A—applied to assemblies which are not procured or stocked as such but made up of two or more units, each

of which carry individual stock numbers and descriptions and are procured and stocked and can be assembled by units at indicated maintenance echelons.

- (e) X—applied to parts and assemblies which are not procured or stocked, the mortality of which is normally below that of the applicable end item, and the failure of which should result in retirement of the end item from service.
- (f) X1—applied to repair parts which are not procured or stocked, the requirement for which will be supplied by use of next higher assembly or component.
- (g) X2—applied to repair parts which are not stocked. The indicated maintenance echelon requiring such repair parts will attempt to obtain them through cannibalization; if not obtainable through cannibalization, such repair parts will be requisitioned with supporting justification through normal supply channels.
- (h) C—applied to repair parts authorized for local procurement. If not obtainable from local procurement, such repair parts will be requisitioned through normal supply channels with a supporting statement of non-availability from local procurement.
- (i) G—applied to major assemblies that are procured with PEMA (Procurement Equipment Missile Army) funds for initial issue only to be used as exchange assemblies at field maintenance level. These assemblies will not be stocked above field maintenance level or returned to depot supply level.
- (j) Z—applied to obsolete repair parts no longer stocked or procured.
- (3) *Maintenance.*
 - (a) The lowest maintenance echelon authorized to manufacture, assemble, and/or install the part is indicated by the code symbol:

O—Organizational Maintenance
(1st and 2d echelons).

Capabilities of higher maintenance echelons are considered equal or better.

- (b) This column is blank when components of kits or sets are listed that are not applicable to the item of equipment, or when an item is source coded X1.
- (4) *Recoverability.* Repair parts and/or tool and equipment items that are recoverable are indicated by one of the following code symbols:
 - (a) R—applied to repair parts and assemblies which are economically repairable at field maintenance activities (3d and 4th echelons) and are normally furnished by supply on an exchange basis. Items that can be economically repaired are considered nonexpendable.
 - (b) T—applied to high-dollar value recoverable repair parts which are subject to special handling and are issued on an exchange basis. Such repair parts normally are repaired or overhauled at depot maintenance activities.
 - (c) U—applied to repair parts specifically selected for salvage by reclamation units because of precious metal content, critical materials, high-dollar value reusable casings, castings, and the like.

Note. When no code is shown in the recoverability column, the part is considered expendable.

b. Federal Stock Numbers. When a Federal stock number is available for a part, it will be shown in this column and used for requisitioning purposes.

c. Description.

- (1) The item name and a brief description of the part are shown.
- (2) A five-digit Federal Supply Code for manufacturers and/or other technical services is shown in parentheses, fol-

lowed by the manufacturer's part number. This number will be used for requisitioning purposes when no Federal stock number is indicated in the Federal Stock Number column.

Example: (08645) 86453.

- (3) Repair part quantities included in kits, sets, and assemblies, that differ from the actual quantity used in this specific end item, are listed in parentheses.
- (4) When repair parts are source coded "C", the manufacturer's part number will be used for local procurement.

d. Unit of Issue. Where no abbreviation is shown in this column, the unit of issue is "each".

e. Quantity Incorporated in Unit. The actual number of parts used in the application indicated is shown in this column. A zero (0) is shown when components of kits or sets are listed that are not applicable to this specific end item.

f. 15-Day Organizational Maintenance Allowance. Shown for each repair part is either a quantity or an asterisk (*) allocation which indicates the following:

- (1) A quantity is shown for each repair part authorized to be stocked as the prescribed load. This quantity is based on past experience with similar items and the latest mortality data for 1,500 hours operation per year. It is the average quantity required to provide organizational maintenance for 1-5 and/or 6-10 items of equipment for a 15-day period under average combat conditions.

Note. Combat essential items which must be stocked or on order at organizational maintenance at all times, regardless of demand, will be identified in the allowance column by a quantity in parentheses.

Table I is the prescribed load listing of items quantitatively allocated herein and lists the combat essential items required to support the end item of equipment. Repair parts required to perform organizational maintenance, which are not authorized for stockage, are identified by an asterisk

in section II, and are to be requisitioned for immediate use only.

- (2) The quantities listed in table I are for one prescribed load for a 15-day period. A minimum stockage sufficient to repair one item and/or assembly is authorized (e.g., if 3 belts are required, then 3 belts are allocated as the min stockage). This quantity will be indicated in the minimum stockage authorization column. The quantities contained in the prescribed load must be on hand or on order at all times. Units and organizations authorized additional prescribed loads will multiply the number of prescribed loads by the appropriate end item spread column of 1-5 or 6-10. When more than 10 equipments are authorized, multiply the quantity authorized in the 6-10 density spread column by the number of equipments and the number of prescribed loads, divide by 10, and round to the nearest whole number.

Example: If the density spread is 4, the number of equipments is 17, and the number of prescribed loads is 1, the following formula would be used:

$$4 \times 17 \times 1 \div 10 = 6.8$$

The resulting fraction is 0.8; therefore, the stockage is 7.

Example: If the density spread is 4, the number of equipments is 17, and the number of prescribed loads is 3, the following formula would be used:

$$4 \times 17 \times 3 \div 10 = 20.4$$

The resulting fraction is 0.4; therefore, the stockage is 20.

Note. An exception is made for those units and organizations required to have on hand, boxed or packaged prescribed load(s) pursuant to a special mission assignment. Such prescribed load(s) will be computed or selected separately from quantities authorized for stockage at permanent station.

- (3) Subsequent changes to allowances will be limited as follows:
 - (a) No decrease in the stated quantity of combat essential items is authorized.

Table 1. Prescribed Load Listing

Federal stock No.	Description	Functional group	Minimum stockage authorization	Unit of issue	15-day organizational maintenance allowances	
					1-5	6-10
2910-145-0220	GASKET: carburetor body (71500) 121-69.	0801	....	....	....	1
2920-248-4818	SPARK PLUG (19728) AR4S. (A)	0504	6	....	6	12
2920-294-4867	SPARK PLUG (19728) AR8S. (B)	0504	6	....	6	12
2920-426-2010	ELEMENT, FILTER (81321) FD51.	0108	....	....	3	6
5310-141-1583	WASHER, FLAT: cover shoulder bolt, copper; 0.640 in. id., 0.750 in. od., 0.063 in. thk (81321) 30738.	0108	....	....	3	6
5330-246-2906	GASKET: air cleaner elbow (74865) 952062.	0304	....	....	1	1
5330-252-4078	WASHER, NONMETALLIC: fuel pump strainer bowl, cork, 1 55/64 in. id., 2 19/64 in. od., 1/8 in. thk (70040) 1523096.	0302	....	....	1	1
5330-599-1285	WASHER, NONMETALLIC: filter cover, rubber; 4.375 in. id., 5.125 in. od., 0.063 in. thk (81321) 258027.	0108	....	....	3	6
5910-127-8448	CAPACITOR, FIXED, PAPER DIELECTRIC: generator exciter brush, No. F, pF, 0.1 (28835) DW5133A.	4414	....	....	(1)	(1)
5910-284-4087	CAPACITOR, FIXED, PAPER DIELECTRIC: generator brush holder, 0.25 pf (28835) DW5133AF.	4414	....	....	(1)	(1)
5910-666-8381	CAPACITOR, FIXED, PAPER DIELECTRIC: control panel (28835) DW5133AG.	4414	....	....	(1)	(1)

Table 1. Prescribed Load Listing—Continued

Federal stock No.	Description	Functional group	Minimum stockpile authorization	Unit of issue	15-day organizational maintenance allowances	
					1-5	6-10
5910-669-3913	CAPACITOR, FIXED, PAPER DIELECTRIC: auxiliary control panel .1 μ f, 500 v, ac/dc (28835) DW5133AA.	4414	....	....	(1)	(1)
5930-161-6876	CAPACITOR, FIXED, PAPER DIELECTRIC: .1 μ f, 100 V, dc (28835) DW5133AB.	9901	....	....	(1)	(1)

(b) No change in the range of items is authorized. If exception to the prescribed load listing or revision to allowances is considered necessary, a recommendation should be forwarded to the U.S. Army Mobility Support Center (par. 6).

(c) Decreases in the stated quantity of items other than combat essential items are authorized to a minimum quantity of one and increases in the stated quantity are authorized for all items when justified by demand and usage experience. Detailed procedures for performing these adjustments are prescribed in AR 735-35.

g. *Illustrations.* This column is subdivided into two columns as follows:

- (1) *Figure number.* Indicates the number of the illustration in which the part is shown.
- (2) *Item number.* Indicates the reference number used to point out the part in the illustration.

3. Index to Federal Stock Numbers and Manufacturers' Part Numbers

Listed alpha-numerically in the back of this manual are the requisitioning numbers shown in the Federal stock number and/or description column. The alphabetical O is listed as a numerical 0 (zero). This index also lists manufacturers' codes (as applicable) and page numbers.

Example of index sequence:

A	BX5-27	38.50
AA	T295	3838-141-4957
A1/2X3	0124	3855 212
A1-950	1-77	389/100.2
A1A22	2530-048-7342	389/100-18
B	2815-097-5429	3895-128-7642

4. Abbreviations

acalternating current
ampampere(s)

AWGAmerican Wire Gage
dcdirect current
diadiameter(s)
FFahrenheit
ftfoot (feet).
galgallon(s)
fdinside diameter(s)
in.inch(es)
lbpound(s)
lglength (long)
mtgmounting(s)
odoutside diameter(s)
shsheet(s)
thdthread(s) (ed)
thkthick (ness)
μfmicrofarad (s)
vvolt(s)
w/with
ydyard

5. Index to Federal Supply Code for Manufacturers

00684....Nichols Metals Mfg. Co., Inc.
04009....Arrow, Hart, and Hegeman Electric Co.
11349....Century Electric Co.
18163....Dole Valve Co.
19728....Electric Auto-Lite Co.
24161....Gates Rubber Co.
28835....Hobart Brothers Co.
70040....AC Spark Plug Division of General Motors Corp.
70403....American Stamping Co.
71500....Carter Carburetor Division of ACF Industries, Inc.
74865....Chrysler Corp.
81321....Purolator Products, Inc.
81336....Corps of Engineers.

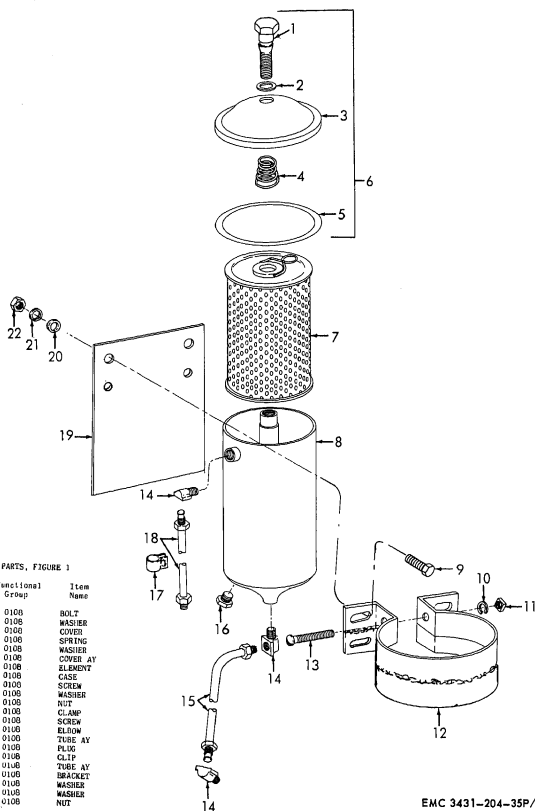
6. Comments and Suggestions

Report all deficiencies in this manual on DA Form 2028. Submit recommendations for changes, additions, or deletions to repair parts allocation and allowance factors and other data. Additional data on climatic and terrain conditions of operation, operational age of the equipment, and the hours operated in the period covered by item 7 of DA Form 2028 are desired. Submit to the Commanding Officer, U.S. Army Mobility Support Center, ATTN: SMOMS-MS, P. O. Box 119, Columbus 16, Ohio. Direct communication is authorized.

SOURCE CODES		FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS		ILLUSTRATIONS
RECOVERABILITY	MAINTENANCE						15 DAYS ORGANIZATIONAL MAINTENANCE	FIG. ITEM NO.	
TECHNICAL SERVICE	SOURCE						1-5 EGP	6-10 EGP	
SECTION 11. REPAIR PARTS LIST									
GROUP 01 - ENGINE									
0100 - ENGINE ASSEMBLY									
P1	0	2805-353-0007	GASKET SET: engine overhaul (includes components of GASKET SET, Stock No. 2805-560-9023)	"A" (78665) 1325903		1	*	*	
X1		2910-366-6529	GASKET: carburetor flange (1)	"A" (78665) 637191		1	See Group 0301		
X1			GASKET: carburetor flange (1)	(78665) 561378		0			
X1			GASKET: carburetor flange (1)	(78665) 637192		0			
X1			GASKET: carburetor flange (1)	(78665) 631213		0			
X1		2805-366-6454	GASKET: chain case cover (1)	(78665) 600752		1			
X1		2805-737-3645	GASKET: chain case cover	"A" (78665) 1122450		1			
X1			GASKET: chain case cover plate	"A" (78665) 695441		1			
X1		2805-190-4219	GASKET: exhaust pipe flange (1)	(78665) 679023		0			
X1			GASKET: exhaust pipe flange (1)	(78665) 659067		0			
X1		2910-351-6560	GASKET: fuel pump flange (1)	"A" (78665) 689482		1	See Group 0302		
X1			GASKET: fuel pump flange (1)	(78665) 117161		0			
X1		5330-199-5742	GASKET: oil pressure relief valve cap	"A" (78665) 618622		1	See Group 0108		
X1		2805-362-1266	GASKET: oil pump cover (1)	(78665) 30744		0			
X1		5330-298-0765	GASKET: oil pump cover (1)	(78665) 860724		0			
X1			GASKET: oil pump to cylinder block	"A" (78665) 695482		1			
X1		5330-245-5503	GASKET: spark plug	"A" (78665) 130109		6	See Group 0604		
X1		2805-175-3121	GASKET: water pump to cylinder block	"A" (78665) 637480		1	See Group 0304		
X1		2805-353-8114	GASKET: water pump to manifold	"A" (78665) 708460		1	See Group 0110		
X1			GASKET SET: oil pan	"A" (78665) 633438		1			
X1		2805-172-9762	WASHER, MONOMETALLIC; oil pump cover, rubber; 2.487 in. id, 2.501 in. od, 0.095 in. thk	"A" (78665) 124884		1			
P1	0	2805-420-0098	GASKET SET: engine overhaul (includes components of GASKET SET, Stock No. 2805-024-2076)	"B" (78665) 1248526		1	*	*	
X1		2910-378-3771	GASKET: carburetor adapter	"B" (78665) 562231		1	See Group 0301		
X1		2910-366-6529	GASKET: carburetor flange (1)	"B" (78665) 637191		1	See Group 0301		
X1			GASKET: carburetor flange (1)	(78665) 637192		0			
X1		2805-366-6424	GASKET: chain case cover (1)	(78665) 600752		0			
X1		2805-737-3645	GASKET: chain case cover	"B" (78665) 1122450		1			
X1			GASKET: chain case cover plate	"B" (78665) 695441		1			
X1		2805-190-4219	GASKET: exhaust pipe flange (1)	(78665) 679023		0			
X1		2805-298-0514	GASKET: exhaust pipe flange (1)	"B" (78665) 680051		1	See Group 0401		
X1		2910-351-6560	GASKET: fuel pump flange	"B" (78665) 688482		1	See Group 0302		
X1		2910-778-5732	GASKET: fuel pump flange (1)	(78665) 688481		0			
X1			GASKET: fuel pump flange (1)	(78665) 117161		0			
X1			GASKET: oil pan left	"B" (78665) 1130866		1			
X1		5330-199-5742	GASKET: oil pressure relief valve cap	"B" (78665) 618622		1	See Group 0108		

SOURCE CODES		FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENT CATEGORY		
TECHNICAL SERVICE	MAINTENANCE RECOVERABILITY					FUNCTIONAL ORGANIZATIONAL MAINTENANCE	PUB. NO.	ITEM NO.
0100 - ENGINE ASSEMBLY (cont)								
XI		2905-362-1266	GASKET; oil pump cover (1)		(74865) 50744			
XI		5330-298-0765	GASKET; oil pump cover (1)		(740-5) 863724			
XI			GASKET; spark plug to cylinder black		"B" (74865) 695442			
XI		5330-245-5503	GASKET; spark plug		"B" (74865) 150189			
XI		2900-215-5121	GASKET; water pump to cylinder black		"B" (74865) 637460			
XI		2900-173-0109	GASKET SET; manifold		"B" (74865) 790462			
XI		2905-559-1723	GASKET SET; oil pan		"B" (74865) 923439			
XI		2900-172-9762	WASHER, NONMETALLIC; oil pump cover, rubber; 2,4BT in. id., 2.600 in. od., 0.090 in. thk		"B" (74865) 1124984			
P	O	2905-024-2076	GASKET SET; engine valve grinding		"B" (74865) 1064735		*	
XI		2905-047-4626	GASKET; cylinder head		"B" (74865) 1113745			
XI		2900-244-8159	GASKET; cylinder water outlet elbow		"B" (74865) 50002			
XI			GASKET SET; valve spring cover		"B" (74865) 990484			
XI		5330-298-0764	WASHER, NONMETALLIC; thermostat, rubber; 1 23/64 in. id., 1 55/64 in. od., 3/32 in. thk		"B" (74865) 863220			
XI			WASHER; water pump by-pass elbow		(74865) 622772			
P	O	2905-560-9023	GASKET SET; engine valve grinding		"A" (74865) 1332984		*	
XI			GASKET; cylinder head		"B" (74865) 1101			
XI		2900-244-8159	GASKET; cylinder water outlet elbow		"A" (74865) 50002			
XI		2905-123-0111	GASKET SET; valve spring cover		"B" (74865) 990483			
XI		5330-298-0764	WASHER, NONMETALLIC; thermostat, rubber; 1 23/64 in. id., 1 55/64 in. od., 3/32 in. thk		"A" (74865) 863220			
XI			WASHER; water pump by-pass elbow		"A" (74865) 622772			
0101 - CRANKCASE, BLACK, CYLINDER HEAD								
X2	O	5306-374-3894	BOLT, EXTERNALLY RELIEVED BODY; cylinder head ing		(74865) 666014		*	
X2	O	5306-374-3904	BOLT, EXTERNALLY RELIEVED BODY; cylinder head ing		(74865) 692657		*	
X2	O	4620-276-9040	COCK, DRAIN; cylinder black, Type C, brass; plain, 1/4-18 the size		(74865) 108447		*	
XI		2905-047-4636	GASKET; cylinder head (Component of GASKET SET, Stock No. 2905-024-2076 and Stock No. 2905-520-0095, See Group 0100)		"B" (74865) 1113745			
P	O	2905-353-0061	GASKET; cylinder head (Used with ENGINE ASSEMBLY, Stock No. 2905-560-9023 Serial No. 58195 up)		"A" (74865) 1401315		*	
XI			GASKET; cylinder head (Component of GASKET SETS, Stock No. 2905-560-9023 and Stock No. 2905-353-0007, See Group 0100) (Used with ENGINE ASSEMBLY, Stock No. 2905-353-0019 up to Serial No. 58105) HEAD, CYLINDER: w/core hole plug (Used with ENGINE ASSEMBLY, Stock No. 2905-353-0019 up to Serial No. 58105)		"B" (74865) 1319823		*	

X2	0	HEAD, CYLINDER: w/core hole plug	"A" (74865) 1326399			1	*	*
X2	0	HEAD, CYLINDER: w/core hole plug (Used with ENGINE ASSEMBLY, Stock No. (28935) DM6349, up to Serial No. 50,000)	"B" (74865) 1120796			1	*	*
9	X2	0	NUT, PLAIN, HEXAGON: cylinder head stud, cadmium or zinc plated; 7/16-20 tbd size					
X2	0	4730-278-3388	PLUG, PIPE: timing hole, galvanized; 1/8-27 tbd size (GE)			2	*	*
9	X2	0	SCREW, CAP, HEXAGON HEAD: cylinder head, cadmium or zinc-chromate; 3/8-16 tbd size; 1/2 in. lg	(74865) 121852		1	*	*
X2	0	5307-206-1429	STUD, PLAIN: cylinder head, one end 7/16-14 tbd size; other end 7/16-20 tbd size; 3 1/16 in. lg	(74865) 600723		2	*	*
X2	0	5307-275-3784	STUD, PLAIN: exhaust manifold; one end 3/8-16 tbd size; other end 3/8-24 tbd size; 1 1/16 in. lg	(74865) 623369		4	*	*
9	X2	0	5307-011-4907	STUD, PLAIN: manifold, one end 3/8-16 tbd size; other end 3/8-24 tbd size; 1 1/16 in. lg		7	*	*
9	X2	0	5310-435-7149	WASHER, FLAT: cylinder head stud, cadmium or zinc-chromate; 0.469 in. id, 0.922 in. od, 0.065 in. thk		2	*	*
9	X2	0	5310-439-0062	WASHER, LOCK: cylinder head screw hole plug, cadmium or zinc-chromate; 0.391 in. id, 0.692 in. od, 0.056 in. thk	(74865) 1319068	1	*	*
0102 - CRANKSHAFT								
X2	0	2805-365-6410	J.W. CRANKSHAFT STARTING					
9	X2	0	5310-261-7367	WASHER, LOCK: crankshaft starting jaw, 1.142 in. id, 1.827 in. od, 1.125 in. thk	(74865) 593801	1	*	*
0105 - VALVES, CAMSHAFTS AND TIMING SYSTEM								
X2	0	2805-365-6390	COVER, VALVE SPRING	"B" (74865) 655699		2	*	*
X2	0	2805-173-0111	COVER, VALVE SPRING	"A" (74865) 600801		2	*	*
X1			GASKET SET: valve spring cover (Component of GASKET SETS, Stock No. 2805-560-0223 and Stock No. 2805-353-0007. See Group 0100)	"A" (74865) 900583		1		
X1			GASKET SET: valve spring cover	"A" (74865) 871934		2		
X1			GASKET SET: valve spring cover screw	"A" (74865) 693959		4		
X1			GASKET SET: valve spring cover	"B" (74865) 900294		1		
X1			(Component of GASKET SETS, Stock No. 2805-024-2076 and Stock No. 2805-020-0098. See Group 0100)					
X1			GASKET SET: valve spring cover	"B" (74865) 871935		2		
X1			GASKET SET: valve spring cover screw	"B" (74865) 693959		4		
X2	0	2805-530-2747	SCREW, SPECIAL HEAD: valve spring cover, 5/16-18 tbd size; 3/32 in. lg	"B" (74865) 693960		4	*	*
X2	0		SCREW, SPECIAL HEAD: valve spring cover, 5/16-18 tbd size; 2 7/8 in. lg	"A" (74865) 693958		4	*	*
0106 - ENGINE LUBRICATION SYSTEM								
X2	0	2805-365-6412	AIR CLEANER: crankcase ventilator	(74865) 627488		1	*	*
9	X2	0	5306-017-6429	B&T, MACHINE: crankcase air cleaner mtg, cadmium or zinc plated; 5/16-18 tbd size; 4 in. lg	(74865) 109298	1	*	*
X2	0		BRACKET: oil filter mtg	"B" (28035) DM6329		1	*	*
X2	0		BRACKET: oil filter mtg	"A" (74865) 1328938		1	*	*



EMC 3431-204-35P/5

Figure 1. Oil Filter.

SOURCE CODES		FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPLANATION INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ITEM NO.	ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE					RECOVERABILITY	1-5 EOP	6-10 EOP			
											15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH
0100 - ENGINE LUBRICATION SYSTEM (cont)											
X2	0	2805-294-9999	BREATHER: air cleaner	"A" (74865) 1316371	1	*	*				
X2	0	2940-173-1763	CLAMP, OIL FILTER	(74865) 902060	1	*	*	1	12		
X2	0	4730-277-0273	CLIP: engine to oil filter tube	"A" (74865) 608473	1	*	*	1	17		
X2	0	4730-277-0273	ELBOW, PIPE TO TUBE: oil filter bottom outlet, brass; one end male, 1/8-27 tbd size; other end female, 1/4 in. tube, 7/16-24 tbd size	"A" (74865) 225910	6	*	*	1	14		
X2	0	4730-277-0273	ELBOW, PIPE TO TUBE: oil filter, oil filter outlet and inlet tube, brass; one end male, 1/8-27 tbd size; other end female, 1/4 in. tube, 7/16-24 tbd size	"B" (74865) 225910	4	*	*				
X2	0	2940-309-9019	FILTER ASSEMBLY, OIL	(81321) 27160	1	*	*	1	8		
X1			CASE, FILTER	(81321) 25706-1	1	*	*	1	6		
X2	0	2940-215-7141	COVER ASSEMBLY, OIL FILTER	(81321) 25701	1	*	*	1	3		
X2	0	5306-360-7956	BOLT, SHOULDER: filter cover	(81321) 25755	1	*	*	1	3		
X1			COVER, FILTER	(81321) 25601	1	*	*	1	3		
X2	0	2940-292-1139	SPRING, HELICAL, COMPRESSION: filter element	(81321) 25757	1	*	*	1	4		
P	0	5310-141-1503	WASHER, FLAT: cover shoulder bolt, copper; 0.640 in. id, 0.750 in. od, 0.063 in. thk	(81321) 30736	1	3	6	1	2		
P	0	5330-599-1265	WASHER, NONMETALLIC: filter cover, rubber; 4.375 in. id, 5.125 in. od, 0.060 in. thk	(81321) 250027	1	3	6	1	5		
X2	0	4730-011-2578	ELEMENT, FILTER	(81321) P051	1	3	6	1	7		
X2	0	6680-475-4576	PLUG, PIPE: oil filter drain, brass or bronze; 1/4-18 tbd size (GE)	(81321) 25795	1	*	*	1	16		
X2	0	3432-303-4593	GAGE ROD: w/drain pipe assembly	"B" (28835) 0M977	1	*	*	2	7		
X2	0	4730-187-7612	ADAPTER, OIL DRAIN PLUG	"B" (28835) 0M1003A	1	*	*	2	7		
X2	0	4730-187-7612	COUPLING, PIPE: oil drain, galvanized; both ends female, 1/2-14 tbd size (GE)	"B"	1	*	*	2	12		
X2	0	2905-309-8725	GAGE, OIL: bypass type	"B" (28835) 0M1354	1	*	*	2	3		
P1	0	2905-527-7712	GASKET: oil drain	"B" (28835) 472	2	*	*	2	11		
X2	0	4730-265-5905	NIPPLE, PIPE: oil drain, 1/2-14 tbd size; 2 1/2 in. lg (GE)	"B" (28835) 0M978	1	*	*	2	11		
M	0		PIPE: oil drain	"B" (28835) 0M978	1	*	*	2	11		
M	0		MANUFACTURE FROM:								
P	0	4710-162-1018	PIPE, STEEL: galvanized; 0.500 in. id (GE) (5 7/8 in. required)	"B" (28835) 0M979	PT	1	*	2	5		
M	0		PIPE: oil gage bypass	"B" (28835) 0M979	PT	1	*	2	5		
M	0		MANUFACTURE FROM:								
P	0	4710-162-1018	PIPE, STEEL: galvanized; 0.500 in. id (GE) (7 1/2 in. required)	"B" (28835) 0M1003B	PT	1	*	2	13		
X2	0	2905-354-2315	PLUG, OIL DRAIN	"B" (28835) 0M1003B	1	*	*	2	13		
X2	0	4730-270-3412	PLUG, PIPE: oil drain, 1/2-14 tbd size (GE)	"B"	1	*	*	2	2		
X2	0	4730-142-1629	PLUG, PIPE: oil gage, 3/4-14 tbd size (GE)	"B"	1	*	*	2	2		
X2	0	4730-227-4929	REDUCER, PIPE: oil gage; one end female, 3/4-14 tbd size; other end female, 1/2-14 tbd size (GE)	"B"	1	*	*	2	4		
X2	0	4730-257-2119	TEE, PIPE: oil gage and drain, galvanized; oil ends female, 1/2-14 tbd size	"B"	1	*	*	2	4		

INDEX TO PARTS, FIGURE 2

Reference Number	Functional Group	Item Name
1	0108	GAGE
2	0108	PLUG
3	0108	GAGE
4	0108	REDUCER
5	0108	PIPE
6	0108	GASKET
7	0108	ADAPTER
8	0108	PLUG
9	0108	PIPE
10	0108	TEE
11	0108	NIPPLE
12	0108	COUPLING
13	0108	PLUG

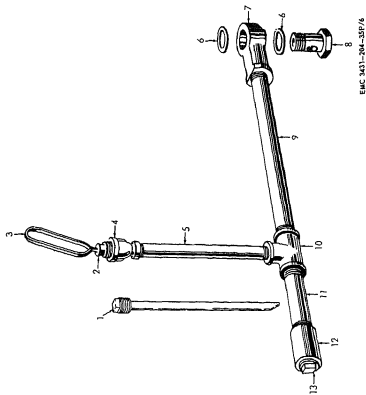


Figure 2. Engine Oil Gage and Drain Pipe.

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TECHNICAL SOURCE	MAINTENANCE RECOVERABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN- DITURE	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS		
							ILLUS- TRATIONS		
							1-5 EGP	6-10 EGP	FIG. ITEM NO. NO.
			0100 - ENGINE LUBRICATION SYSTEM (cont)						
P1 0		5340-644-3197	SPRING, HELICAL, COMPRESSION: oil pressure relief valve, standard, painted blue (Used with ENGINE ASSEMBLY, Stock No. (20835) 0M6369, Serial No. 50,000 up)	"B" (74065) 1119205		1	*	*	
P1 0		2605-269-1109	SPRING, HELICAL, COMPRESSION: oil pressure relief valve, standard painted red	"B" (74065) 1121250		1	*	*	
M 0			TUBE ASSEMBLY: engine to oil filter MANIFOLD: ENGINE	(74065) 061610		1	*	*	
X2 0		4730-288-2387	INVERTED NUT, TUBE COUPLING: zinc plated; 1/4 in. tube, 7/16-24 tbd size	(74065) 137397	PT	2	*	*	
P 0		4710-277-5325	TUBE, COPPER (15 1/2 in. required)	(74065) 061584		1	See Group 9501		1 10
X2 0			TUBE ASSEMBLY: filter to engine inlet			2	*	*	
X2 0		4730-288-2387	INVERTED NUT, TUBE COUPLING: oil filter tube, zinc plated; 1/4 in. tube, 7/16-24 tbd size	(74065) 137397		2	*	*	
X2 0			WASHER, FLAT: crankcase air cleaner mtg, cadmium plated; plain steel, large, 5/16 in. id	(74065) 120387		1	*	*	
X2 0			WASHER, FLAT: oil filter mtg, cadmium or zinc-chromate; 0.375 in. id, 0.975 in. od, 0.003 in. tsk	(74065) 120387		1	*	*	
9 X2 0		5310-637-9541	WASHER, LOCK: oil filter bracket mtg, cadmium-chromate; 0.302 in. id, (Supplied under Stock No. 5310-209-0710)	(74065) 120387		4	*	*	1 20
9 X2 0		5310-012-0214	WASHER, LOCK: oil filter clamp, cadmium or zinc-chromate; 0.319 in. id, 0.591 in. od, 0.078 in. tsk	(74065) 120382		2	*	*	1 21
			0110 - MANIFOLDS			1	*	*	1 10
9 X2 0		5300-280-3764	BOLT, MACHINE: manifold, 3/8-24 tbd size; 4 in. lg	"B" (74065) 126167		4	*	*	
X1		2805-173-0109	GASKET SET: manifold (Component of GASKET SET, Stock No. 2805-420-0098, See Group 0100)	"B" (74065) 705462		1			
X1			GASKET: intake and exhaust manifold center	"B" (74065) 665353		1			
X1		5330-190-4218	GASKET: intake and exhaust manifold end	"B" (74065) 665354		4			
X1		2805-353-4111	GASKET SET: manifold (Component of GASKET SET, Stock No. 2805-353-6007, See Group 0100)	"A" (74065) 705460		1			
X1			GASKET: intake and exhaust manifold center	"A" (74065) 601275		1			
X2 0		2805-308-7010	GASKET: intake and exhaust manifold end	"A" (74065) 310042		4			
9 X2 0		5300-268-1784	MANIFOLD ASSEMBLY, INTAKE AND EXHAUST	"B" (74065) 1206637		1	*	*	
P 0		2805-360-4459	BOLT, MACHINE: manifold to manifold, 3/8-24 tbd size; 4 in. lg	"B" (74065) 126167		4	*	*	
X2 0			GASKET: intake to exhaust manifold	"B" (74065) 665352		1	*	*	
9 X2 0		5310-021-0599	MANIFOLD, INTAKE NUT, FLAIN, HEXAGON: manifold to manifold bolt, brass; 3/8-24 tbd size	"B" (74065) 121704		1	*	*	
				"B" (74065) 114457		4	*	*	

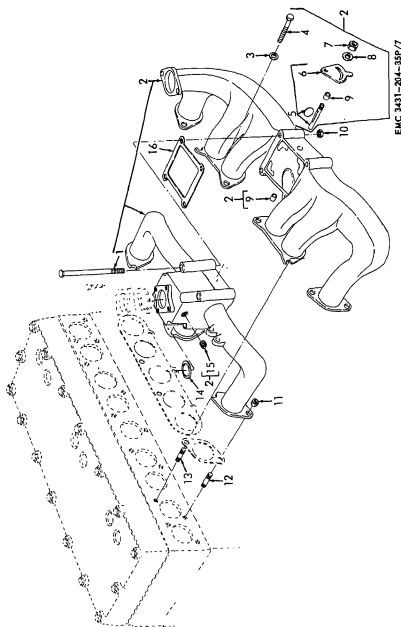


Figure 3. Manifolds.

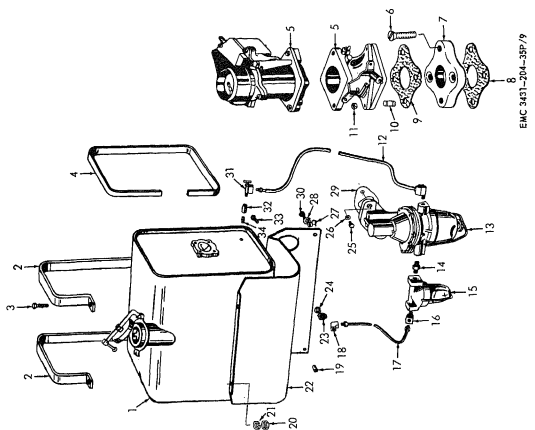
INDEX TO PARTS. FIGURE 3

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	0110	BLKT	5	0110	SHAFT AY	9	0110	BEARING
2	0110	MANIFOLD AY	6	0110	PLATE	10	0110	WASHER
3	0110	WASHER	7	0110	NUT	11	0110	NUT
						15	0110	PLATE
						16	0110	GASKET

SOURCE CODES		TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVERABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GROUP QUANTITIES PER MAJOR EQUIPMENTS			FIG. NO.	ITEM NO.
											15 DAYS ORGANIZATIONAL MAINTENANCE				
											1-5 EGP	6-10 EGP			
0110 - MANIFOLD (cont)															
X2	0			4730-279-3039			PLUG, PIPE, intake manifold, 3/8-18 thd size	"A" (74865) 10867			1	*		*	3 15
X2	0			2805-376-6893			RING, RUEL, CENTRALIZER	"A" (74865) 112445			1	*		*	3 14
X2	0			2805-376-2901			MANIFOLD ASSEMBLY: Intake and exhaust	"A" (74865) 1122195			1	*		*	3 2
P1	0			2805-353-6093			BEARING, SLEEVE: manifold heat control valve shaft	"A" (74865) 651251			2	*		*	3 9
X2	0			5306-272-4270			BOLT, MACHINE: intake to exhaust manifold, 3/16-18 thd size; 2 1/2 in. lg	"A" (74865) 317942			4	*		*	3 1
P1	0			2805-353-6096			GASKET, intake to exhaust manifold	"A" (74865) 601420			1	*		*	3 16
X2	0			5310-011-4545			NUT, PLAIN, HEXAGON: manifold heat control valve, brass; 1/4-20 thd size	"A" (74865) 116445			1	*		*	3 7
X2	0			4730-279-3039			PLUG, PIPE: intake manifold, 3/8-18 thd size (OE)	"A" (74865) 10867			1	*		*	3 7
X2	0			5305-221-3845			SCREW, CAP, HEXAGON HEAD: manifold, cadmium or zinc-chrome; 3/8-16 thd size; 3 in. lg	"A" (74865) 122207			2	*		*	3 4
X2	0						SHOFT ASSEMBLY: heat control valve	"A" (74865) 614976			1	*		*	3 5
X2	0						PLATE, ADJUSTING: heat control valve	"A" (74865) 606504			1	*		*	3 6
X2	0			5307-014-7716			STUD, PLAIN: manifold heat control valve, cadmium or zinc plated; one end 1/4-20 thd size; other end, 1/4-28 thd size; 1 in. lg	"A"			1	*		*	3 6
X2	0			5310-194-1540			WASHER, FLAT: manifold heat control, cadmium or zinc-chrome; 0.281 in. id, 0.425 in. od, 0.005 in. thk	"A"			3	*		*	3 8
X2	0			5310-012-1753			WASHER, LOCK: manifold heat control valve, cadmium or zinc plated; 0.262 in. id, 0.502 in. od, 0.025 in. thk	"A" (74865) 121753			1	*		*	3 8
X2	0			5310-010-5026			NUT, PLAIN, HEXAGON: exhaust manifold nut, 3/8-24 thd size	(74865) 114547			4	*		*	3 10
X2	0			5310-021-6289			NUT, PLAIN, HEXAGON: manifold nut, brass; 3/8-24 thd size	"B"			7	*		*	3 11
X2	0			5305-010-6283			SCREW, CAP, HEXAGON HEAD: manifold, 3/8-16 thd size; 3 1/2 in. lg	"B"			2	*		*	3 11
X2	0			5307-011-5247			STUD, PLAIN: carburetor nut, cadmium or zinc plated; one end, 3/8-16 thd size; other end, 3/8-26 thd size; 1 7/16 in. lg	(74865) 113247			2	*		*	5 10
X2	0			5310-353-6073			WASHER, CLINCH RING: manifold clamp, 13/32 in. id, 1 in. od	"B" (74865) 13699			4	*		*	3 3
X2	0			5310-186-4234			WASHER, FLAT: manifold clamp, 13/32 in. id, 7/8 in. od, 1/8 in. thk	"A" (74865) 507351			4	*		*	3 3
X2	0			5310-210-3034			WASHER, RECESSED: exhaust manifold stud, brass; 7/16 in. id, 3/4 in. od, 1/4 in.	(74865) 625669			4	*		*	3 3
GROUP 03 - FUEL SYSTEM															
0301 - CARBURETOR															
X2	0			2910-353-0134			ADAPTER, CARBURETOR FLANGE	"B" (74865) 1069119			1	*		*	5 7
X2	0			2910-358-4540			ADAPTER, FLANGE: carburetor	"A" (74865) 920249			1	*		*	5 5
P	0			2910-143-0220			CARBURETOR, PLANT	(74865) 1317258			1	*		*	5 5
P	0			2910-573-3771			GASKET: carburetor body	(71500) 121-69			1	*		*	5 8
X1	0						GASKET: carburetor adapter	"B" (74865) 562221			1	*		*	5 8
							(Component of GASKET SET, Stock No. 2805-620-0098, See Group 0100)								
P	0			2910-573-3771			GASKET: carburetor adapter flange	"A" (74865) 562221			1	*		*	5 8

	X1					(74865) 637191		1		5
					GASKET: carburetor flange (Component of GASKET SETS, Stock No. 2805-353-8007, and Stock No. 2005-420-0098. See Group 0100)					
	9	X2	0	5310-022-5631	NUT, PLAIN, HEXAGON; carburetor mtg, cadmium or zinc plated; 3/8-24 thread size	(74865) 120869		2	*	5
	9	X2	0	5300-013-3904	SUBM. MACHINE: carburetor adapter mtg, cadmium or zinc-chromate; 3/8-16 thread size; 1 1/4 in. lg.	(74865) 133906		1	*	5
	9	X2	0	5310-082-5865	WASHER, LOCK: carburetor mtg, cadmium-chromate; 0.255 in. id., 0.493 in. od., 0.062 in. thk.			2	*	
					0302 - FUEL PUMPS					
	9	X2	0	5306-366-6375	MULT. MACHINE: fuel pump mtg, cadmium or zinc plated; 5/16-18 tnh size; 1 1/4 in. lg.			2	*	5
	X1			2910-331-6360	GASKET: fuel pump flange (Component of GASKET SETS, Stock No. 2805-353-8007 and Stock No. 2005-630-0098. See Group 0100)	(74865) 698482		1		5
	9	X2	0	5310-146-8442	NUT, PLAIN, WING: fuel pump heat shield, cadmium plated; Type A, S, No. 10-20 thread size			1	*	
	F	0		2910-364-2776	PUMP, FUEL, oxidation engine	(70040) 1537228		1	*	5
	P	0		5300-561-4078	WASHER, NOMEPLATE: fuel pump strainer bowl, cast, 1.55/64 in. id, 2.19/64 in. od, 1/8 in. thk.	(70040) 1522096		1	1	
	X2	0		2910-350-5545	SHIELD, heat, fuel pump	(74865) 1071656		1	*	
	X2	0		5310-043-2726	STUD: fuel pump heat shield	(74865) 603861		1	*	
	9	X2	0		WASHER, LOCK: fuel pump heat shield, cadmium or zinc-chromate; 0.194 in. id, 0.537 in. od, 0.047 in. thk.	(74865) 120217		1	*	
	9	X2	0	5310-012-0214	WASHER, LOCK: fuel pump mtg, cadmium or zinc-chromate; 0.319 in. id, 0.591 in. od, 0.078 in. thk.	(74865) 120314		2	*	5
					0304 - AIR CLEANER					
	X2	0			AIR CLEANER ASSEMBLY	(0684) E7755		1	*	
	X2	0			BAND ASSEMBLY	(0684) P2147		2	*	4
	X2	0			BUSH ASSEMBLY	(0684) P2343		1	*	4
	X1				BAFFLE, MONOTHE	(0684) P3631		1		
	X1				BODY, AIR CLEANER	(0684) P3630		1		
	X1				COVER ASSEMBLY	(0684) P5794		1		
	X1				COVER	(0684) ZP1664		1		
	X1				TUBE, OUTLET	(0684) P2631		1		
	X2	0			SCREEN: air cleaner	(0684) P1973		1	*	
	X2	0			SCREEN: air cleaner	(0684) P2043		0	*	
	X1				SKIRT ASSEMBLY	(0684) P5790		1		
	X1				SKIRT, OUTER, LOWER	(0684) P2034		1		
	X1				SKIRT, OUTER, UPPER	(0684) P2049		1	*	
	X2	0			CLAMP ASSEMBLY: oil cup retaining	(0684) P2699		1	*	4
	X2	0			BOLT, CLAMP	(0684) P2690		1	*	12
	X1				CLAMP: oil cup retaining	(0684) P3002		1	*	4
	X2	0			NUT, SQUARE: clamp assembly	(0684) P5300		1	*	15
	X2	0			WASHER	(0684) P2949		1	*	4
	X2	0			CUP ASSEMBLY, OIL	(0684) P3342		1	*	4

9	X2	0	5305-012-3956	SCREW, CAP, HEXAGON HEAD; air cleaner bracket to engine, cadmium or zinc-chromate; 3/8-24 thd size; 1/2 in. lg	2	*	4	9
9	X2	0	5305-543-2665	SCREW, MACHINE; air cleaner wdg bracket, cadmium or zinc plated; 1/4-20 thd size; 3/8 in. lg	1	*	4	11
X2	0		SUPPORT, AIR CLEANER	(280335) 520499	4	*	7	
9	X2	0	5310-437-9541	WASHER, LOCK; air cleaner bracket to engine, cadmium-chromate; 0.392 in. id, 0.640 in. od, 0.094 in. thk	2	*	4	8
9	X2	0	5310-310-3319	WASHER, LOCK; air cleaner bracket, 0.253 in. id, 0.493 in. od, 0.062 in. thk	4	*	4	6
				0306 - TANKS, LINES, FITTINGS				
9	X2	0	5306-017-5027	BOLT, MACHINE; fuel tank strap, 5/16-18 thd size; 2 1/4 in. lg	2	*	5	3
9	X2	0	5306-012-2007	BOLT, MACHINE; fuel tank support wdg, lower, and battery cable clamp wdg, cadmium or zinc plated; 5/16-18 thd size; 3/4 in. lg	2	*	5	30
P1	0		2010-570-4629	CAP, FUEL TANK; safety, gas tank	(280353) 52347	1	*	
X2	0			BAR, ROLL DOWN; safety cap	(280353) DW3013A	1	*	4
X2	0		2910-494-5182	CAP, FUEL TANK	(280353) DW3000	1	*	6
P1	0		5330-361-7920	PACKING, PREFORMED; gas tank safety cap	(280353) DW4553	1	*	6
9	X2	0	5330-269-4018	RIVET, SOLID; gas tank safety cap, zinc plated; 3/16 in. dia, 1 5/8 in. lg	(280353) DW1454	1	*	7
9	X2	0	5320-274-9534	RIVET, SOLID; safety cap cover, copper; 3/16 in. dia, 3/32 in. lg	(280353) DW3169	1	*	6
9	X2	0	5320-010-4067	RIVET, SOLID; safety cap hold down bar, 3/16 in. dia, 1/2 in. lg	(280353) 5W62506	1	*	6
X2	0		2910-554-2326	SCREEN AND FLANGE	(280353) DW1277	1	*	6
X2	0		2910-554-2326	SCREEN, MACHINE; leather seal, zinc plated; 5/16-18 thd size; 3/8 in. lg	(280353) DW3055	1	*	6
X2	0		5305-429-0970	SCREW, MACHINE; leather seal, zinc plated; 5/16-18 thd size; 3/8 in. lg	(280353) DW1440	1	*	6
X2	0			SPRING; gas cap rivet	(280353) W799944	1	*	10
X2	0		5310-512-0891	WASHER, BOLT SOCKET; gas tank safety cap rivet, zinc plated; 3/16 in. id, 7/8 in. od, 3/16 in. thk	(280353) DW1439	1	*	6
X2	0		5310-193-7567	WASHER, LOCK; gas tank safety cap, cadmium plated; 0.262 in. id, 0.742 in. od, 0.036 in. thk	(280353) DW1439	1	*	6
X2	0		4820-142-1992	COCK, SHUTOFF, SCREW STEM; fuel tank, brass body; one end male, 1/8-27 thd size; other end female, 5/16 in. tube, 1/2-20 thd size	(280353) A775	1	*	31
X2	0		4730-207-1029	COUPLING, PIPE; needle valve, brass; both ends female, 1/8-27 thd size	(280353) A775	1	*	31
X2	0		4730-640-1051	ELBOW, PIPE TO TUBE; filter to carburetor, brass; one end male, 1/8-27 thd size; other end female, 5/16 in. tube, 1/2-20 thd size	(74065) 137422	1	*	10
X2	0		4730-640-5179	ELBOW, PIPE TO TUBE; fuel pump to carburetor and strainer to tank, brass; one end female, 7/16-24 thd size; other end female, 1/4 in. tube, 1/8-27 thd size	(280353) 1075152	3	*	16
X2	0		2910-429-0079	LINE ASSEMBLY; filter to carburetor	(280353) DW1725	1	*	5
M	0		2910-339-4984	LINE ASSEMBLY, FUEL; filter to carburetor	"A" (74065) 861834	1	*	17
M	0			MANIFOLD, FUEL	(280353) 861834	1	*	31
9	X2	0	4730-015-7298	INVERTED NUT, TUBE COUPLING; filter to carburetor fuel line, cadmium or zinc plated; 5/16 in. tube, 1/2-20 thd size	"A" (74065) 137398	2	*	
P	0		2910-377-5526	TUBE, COPPER; 5/16 in. dia (24 in. required)	"A"	1	*	FT
X2	0		4730-374-5065	LINE ASSEMBLY, FUEL; fuel tank to fuel pump	(280353) DW6379C	1	*	12
X2	0		4730-230-1996	NIPPLE, PIPE; fuel pump to fuel strainer, 1/8-27 thd size; 3/4 in. lg (GE)	(74065) 142868	1	*	14
9	X2	0	4730-050-1257	NIPPLE, PIPE; fuel tank to needle valve coupling, cadmium or zinc plated; 1/8-27 thd size; 3/4 in. lg	"A"	1	*	34



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INDEX TO PARTS, FIGURE 5

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	0306	TANK	18	0306	ELBOW
2	0306	STRAP	19	0306	SPACER
3	0306	BOLT	20	0306	NUT
4	0306	PACKING	21	0306	WASHER
5	0301	CARBURETOR	22	0306	SUPPORT
6	0301	SCREW	23	0306	NUT
7	0301	ADAPTER	24	0306	WASHER
8	0301	GASKET	25	0302	BOLT
9	0301	GASKET	26	0302	WASHER
10	0110	STUD	27	0612	CLAMP
11	0301	NUT	28	0306	WASHER
12	0306	LINE AT	29	0302	GASKET
13	0302	PUMP	30	0306	BOLT
14	0306	NIPPLE	31	0306	COCK
15	0309	FILTER	32	0306	COUPLING
16	0306	ELBOW	33	0306	SCREW
17	0306	LINE AT	34	0306	NIPPLE

Figure 5. Fuel System for Symbol (A).

TECHNICAL SERVICE	SOURCE	RECOVERABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER ILLUSTRATIONS			
								15 DAYS ORGANIZATIONAL MAINTENANCE	FIG. NO.	ITEM NO.	
								1-5 EOP	6-10 EOP		
0306 - TANKS, LINES, FITTINGS (cont)											
9	X2	0	5310-010-2636	NUT, PLAIN, HEXAGON; fuel tank strap to tank, 5/16-18 thd size	"A"		2	*	*	5	20
9	X2	0	5310-504-5005	NUT, PLAIN, HEXAGON; fuel tank support strg, upper, cadmium or zinc-chromate; 1/4-20 thd size	"A"		2	*	*	5	23
					"A" (280335) 50W1236		2	*	*	5	1
9	X2	0	5330-290-3444	PAKING, WATERPROOF; fuel tank strap	"A" (280335) 50W1236		2	*	*	5	33
9	X2	0	5305-012-3737	SCREW, CAP, HEXAGON HEAD; fuel tank support strg, upper, cadmium or zinc-chromate; 1/4-20 thd size; 1 1/4 in. lg.	"A"		2	*	*	5	33
9	X2	0	5305-012-0680	SETSCREW; safety gas tank cap, 1/4-20 thd size; 1 1/2 in. lg.	"A"		2	*	*	5	33
9	X2	0	9431-731-8473	SPACER; fuel tank support to housing	"A"		2	*	*	5	33
					"A" (280335) 50W377		2	*	*	5	16
X2	0	R	2910-377-5291	SUPPORT, GAS TANK	"A" (280335) 50W1236		2	*	*	5	2
X2	0	R	2910-804-7281	TANK, FUEL, ENGINE	"A" (280335) 50W1236		2	*	*	5	2
X2	0	R	5310-012-0214	WASHER, LOCK; fuel tank strap to tank; cadmium or zinc plated; 0.319 in. id, 0.591 in. od, 0.078 in. thk	"A" (280335) 50W1139		1	*	*	5	1
9	X2	0	5310-010-3200	WASHER, LOCK; fuel tank support strg, lower and battery cable clamp strg; 0.319 in. id, 0.591 in. od, 0.078 in. thk	"A"		2	*	*	5	21
9	X2	0	5310-502-5965	WASHER, LOCK; fuel tank support strg, upper, cadmium-chromate; 0.255 in. id, 0.493 in. od, 0.062 in. thk	"A"		2	*	*	5	24
0308 - ENGINE SPEED GOVERNOR											
					(24161) 3330		1	*	*		
9	X2	0	3030-180-2127	BEIT, V, governor drive	(24161) 3330		1	*	*		
9	X2	0	5300-100-0191	BOY, MACHINE, governor strg, 5/16-18 thd size; 1 1/2 in. lg	(24161) 3330		2	*	*	20	7
9	X1	0	5300-310-5953	GOVERNOR, CASUALT ENGINE	(280335) 085490A		1	*	*	20	5
9	X2	0	5310-040-2649	NUT, PLAIN, HEXAGON; control rod to carburetor, 1/4-20 thd size	(280335) 50W1139		2	*	*	20	3
9	X2	0	5310-010-2634	NUT, PLAIN, HEXAGON; governor strg screw, 5/16-10 thd size	(280335) 50W101		2	*	*	20	4
9	X2	0	2490-447-4479	ROD, BRIDGMAN; slip joint, governor to carburetor	(280335) 50W101		1	*	*	20	4
9	X2	0	5310-010-3319	WASHER, LOCK; carburetor governor rod, 0.255 in. id, 0.493 in. od, 0.062 in. thk	"A"		2	*	*	20	6
9	X2	0	5310-010-8579	WASHER, LOCK; governor strg screw, 0.319 in. id, 0.461 in. od, 0.097 in. thk	"A"		2	*	*	20	6
0309 - FUEL FILTERS											
					(71500) F8625		1	*	*	5	15
X2	0		2910-204-3990	FILTER, FLUID PRESSURE; fuel (includes components of PACKAGE KIT, Stock No. (71500) F30-666)	(71500) F8625		1	*	*	5	15
X1				BOY, FILTER	(71500) F0729		1	*	*		
X1				BOY, FUEL FILTER (metal)	(71500) F23-41		1	*	*		
X1				RETAINER AND SCREEN, bowl	(71500) F03-1405		1	*	*		
X1			5340-350-5555	SPRING, HELICAL, COMPRESSION	(71500) F01-379		1	*	*		
A	0			PACKAGE KIT	(71500) F30-660		1	*	*		
P1			2710-405-1614	ELEMENT, FILTER (ceramic)	(71500) F30-66		1	*	*		

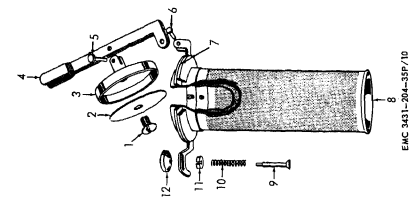


Figure 6. Gas Cap.

INDEX TO PARTS, FIGURE 6

Reference Number	Functional Group	Item Name
1	0306	SCREW
2	0306	PACKING
3	0306	CAP
4	0306	BAR
5	0306	WASHER
6	0306	RIVET
7	0306	PACKING
8	0306	SCREEN-FLANGE
9	0306	RIVET
10	0306	SPRING
11	0306	WASHER
12	0306	WASHER

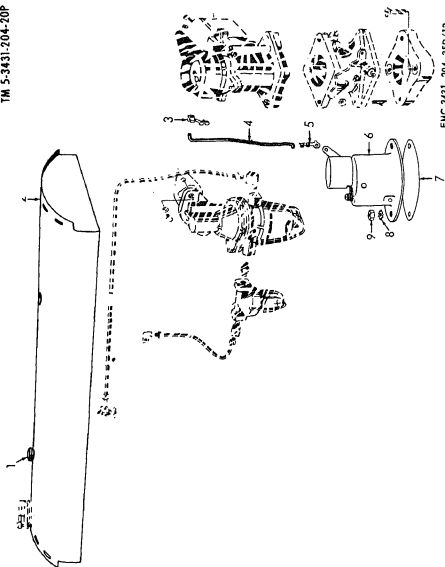
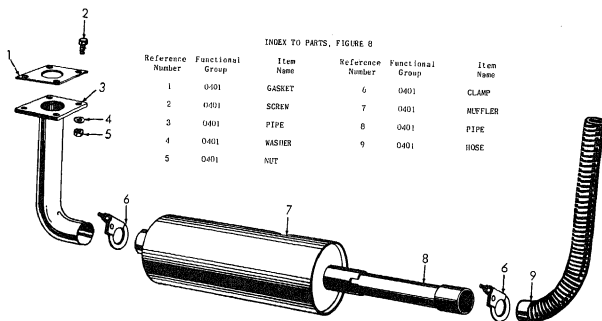


Figure 7. Fuel Tank and Control for Symbol (B).

INDEX TO PARTS, FIGURE 7

Reference Number	Functional Group	Item Name
1	4702	INDICATOR
2	0306	TANK
3	0312	CLIP
4	0312	R00
5	0312	R00
6	0312	CONTROL
7	0312	GASKET
8	0312	WASHER
9	0312	NUT

TECHNICAL	SOURCE	MAINTENANCE	RECOVERABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS				ILLUSTRATIONS
									1-5 EGP	6-10 EGP	2ND EGP	FIG. NO.	ITEM NO.
P	0			2910-495-1613	GASKET				1	1			
					0312 - ACCELERATOR, THROTTLE OR CHoke CONTROLS								
X2	0			2910-145-0247	BRACKET ASSEMBLY, CHoke; carburetor choke tube								
					CABLE: automatic choke feed								
					MANUFACTURE FROM:								
X2	0				TERMINAL, LUG: copper, tinned finish; No. 12 to 10 AWG, for								
X2	0			5900-271-9109	SLEEVE, CABLE								
					No. 10 screw size								
X2	0			6145-313-9129	WIRE, ELECTRICAL: copper, tinned finish; No. 16 AWG, stranded conductor (27 in. required)								
					CLIP: automatic choke feed, cable								
X2	0				(Located on No. 7 and No. 21 cylinder head screws)								
X2	0			2910-364-6542	CLIP, CARBURETOR CHoke ROD: upper								
X2	0			2910-364-2765	CONTROL ASSEMBLY: automatic								
X2	0			2900-294-6749	GASKET ASSEMBLY, PUSH-PULL: choke								
X2	0			2805-364-2769	GASKET: automatic choke								
X2	0			5310-011-4545	NUT, PLAIN, HEXAGON: automatic choke nut, brass; 1/4-28 tbd size								
X2	0			2910-732-7706	ROD: automatic choke								
X2	0			2910-422-4037	ROD, SPRI NG CLIP: choke rod, lower								
X2	0			5305-042-6950	SCREW, CAP, HEXAGON HEAD: automatic choke feed cable clip, cadmium or zinc plated; 3/8-24 tbd size; 1/2 in. lg								
X2	0			5305-012-1832	SCREW, MACHINE: automatic choke terminal, cadmium or zinc plated; No. 8-32 tbd size; 3/8 in. lg								
X2	0			5305-015-5028	SCREW, MACHINE: choke tube bracket, cadmium or zinc plated; No. 8-32 tbd size; 5/16 in. lg								
X2	0			5340-145-0214	SPRI NG, TENSION CARBURETOR: choke pull back								
X2	0			5307-269-6700	STUD, PLAIN: automatic choke attaching, one end, 1/4-20 tbd size; other end, 1/4-28 tbd size; 11/16 in. lg								
X2	0			3510-392-5977	WASHER, FLAT: automatic choke feed cable screw, cadmium or zinc-chromate; 0.406 in. id, 0.812 in. od, 0.065 in. thk								
X2	0			5310-437-9541	WASHER, LOCK: automatic choke feed cable screw, cadmium-chromate; 0.392 in. id, 0.688 in. od, 0.094 in. thk								
X2	0			5310-012-1753	WASHER, LOCK: automatic choke nut, cadmium or zinc-chromate; 0.262 in. id, 0.502 in. od, 0.025 in. thk								
X2	0			5310-550-0085	WASHER, LOCK: automatic choke terminal, cadmium or zinc-chromate; 0.172 in. id, 0.375 in. od, 0.020 in. thk								

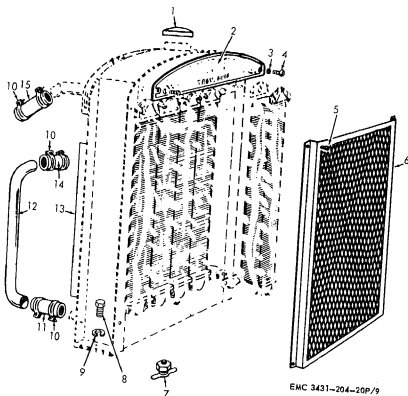


INDEX TO PARTS, FIGURE 8

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	0401	GASKET	6	0401	CLAMP
2	0401	SCREW	7	0401	MUFFLER
3	0401	PIPE	8	0401	PIPE
4	0401	WASHER	9	0401	HOSE
5	0401	NUT			

Figure 8. Muffler and Pipes.

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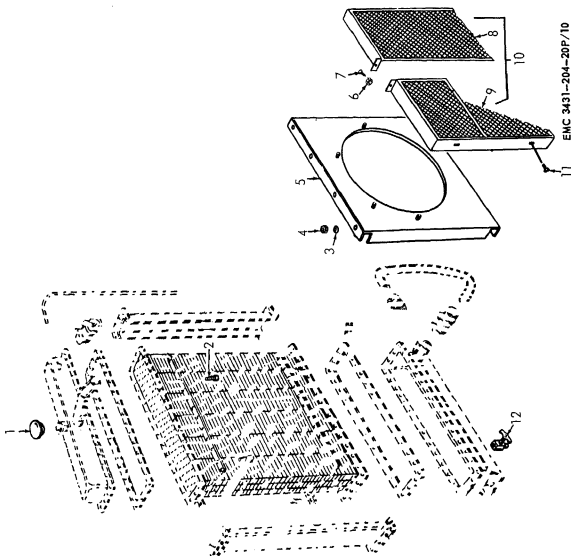
INDEX TO PARTS, FIGURE 9

Reference Number	Functional Group	Item Name
1	0501	CAP
2	2210	PLATE
3	2210	GASKET
4	2210	SCREW
5	0501	SCREW
6	0501	GUARD
7	0503	COCK
8	0501	SCREW
9	0501	WASHER
10	0503	CLAMP
11	0503	HOSE
12	0503	PIPE
13	0502	SHROUD
14	0503	HOSE
15	0503	HOSE

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Figure 9. Radiator Guard for Symbol (A).

SOURCE CODES		FEDERAL NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPLODABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE						RECOVERABILITY	15 DAYS			
								ORGANIZATIONAL MAINTENANCE			
								1-5 EQP	6-10 EQP		FIG. NO.
GROUP 04 - EXHAUST SYSTEM D401 - MUFFLER AND PIPES											
P	0		CLAMP: exhaust pipe to muffler, muffler to tailpipe, tailpipe to flexible tailpipe			3					
X1			GASKET: exhaust pipe flange (Component of GASKET SET, Stock No. 2805-620-0090, See Group 0100)	"B" (74963) 663051		1					
P	0		2805-290-0614								
P	0		GASKET: exhaust pipe flange	"A" (74963) 663051		1	*	*			
P	0		2805-290-0614								
P	0		GASKET: muffler pipe flange to manifold	"B" (28033) 50M507		1	*	*			
P1	0		2805-429-0766								
P1	0		HOSE, METAL: end, flexible, steel	"B" (28033) 0M1169		1	*	*			
P1	0		2805-174-5252								
X	X2	0	5310-013-4570			1	*	*			
			NUT, FLAIN, HEXAGON: manifold to exhaust pipe flange screw, brass; 3/8-16 thd size	"A"		2	*	*			
X	X2	0	5310-012-0377								
			NUT, FLAIN, HEXAGON: manifold to exhaust pipe flange screw; cadmium or zinc-chromate; 3/8-16 thd size	"B"		4	*	*			
P1	0		2805-447-4222								
P1	0		PIPE, EXHAUST	(28033) 0M1011		1	*	*			
X2	0		2805-392-6690								
X2	0		PIPE: exhaust, manifold to muffler	"A" (28033) 30W240		1	*	*			
X2	0		2805-017-9843								
			SCREW, CAP, HEXAGON HEAD: manifold to exhaust pipe flange, cadmium or zinc plated; 3/8-16 thd size; 1 1/2 in. lg	"B" (28033) CM1199A		1	*	*			
X	X2	0	5305-021-4380			2	*	*			
			SCREW, CAP, HEXAGON HEAD: manifold to exhaust pipe flange, 3/8-16 thd size; 1 1/4 in. lg	"A"		4	*	*			
X	X2	0	5305-227-1084								
			SCREW, TAPPING, THREAD FORMING: muffler shield, cadmium or zinc plated; No. 6-18 thd size; 3/8 in. lg	"B"		4	*	*			
X2	0		3075-374-5064								
X2	0		SHIELD ASSEMBLY, HEAT MUFFLER: heat and splash	(28033) DM6367		1	*	*			
X2	0		2810-447-4221								
P	0		WASHER, LOCK: manifold to exhaust pipe flange screw, cadmium-chromate; 0.392 in. id, 0.690 in. od, 0.094 in. thk	"B"		4	*	*			
X2	0		5310-013-1099								
			WASHER, LOCK: manifold to exhaust pipe flange screw, cadmium or zinc plated; 0.392 in. id, 0.690 in. od, 0.115 in. thk	"A"		2	*	*			
GROUP 05 - COOLING SYSTEM D501 - RADIATOR											
X2	0		2820-429-0946								
X2	0	R	GUARD, FRONT: radiator	"B" (28033) BM659		1	*	*			
X2	0		2830-447-4234								
P1	0		RADIATOR ASSEMBLY	"B" (28033) 45C647		1	*	*			
P	0		2810-447-4221								
P	0		CAP, RADIATOR	"B" (28033) CM854		1	*	*			
			GASKET: manifold screw, radiator, copper; 3/8 in. id, 3/8 in. od, 3/32 in. thk	"B"		2	*	*			
X2	0		5330-543-3261								
X2	0		2805-443-3261								
X2	0		PLATE, NAME: welder radiator	"B" (28033) CM854		1	*	*			
X2	0		2805-017-0837								
			SCREW, CAP, HEXAGON HEAD: radiator manifold mg, 3/8-16 thd size; 3/4 in. lg	"B"		2	*	*			
X2	0	R	2805-017-0837								
			RADIATOR ASSEMBLY	"A" (28033) DM1700A		1	*	*			



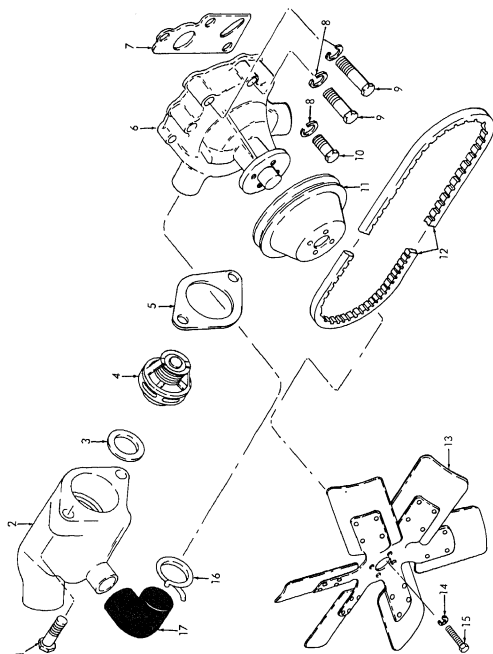
INDEX TO PARTS, FIGURE 10

Reference Number	Functional Group	Item Name
1	0501	CAP
2	0502	BOLT
3	0502	WASHER
4	0502	NUT
5	0502	SHROUD
6	0505	NUT
7	0505	SCREW
8	0505	GUARD
9	0505	GUARD
10	0505	GUARD AY
11	0505	SCREW
12	0503	LOCK

Figure 10. Radiator Shroud and Guards for Symbol (B).

SOURCE CODES		FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDITURE	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS
TECHNICAL SERVICE	SOURCE						RECOVERABILITY	13 DAYS ORGANIZATIONAL MAINTENANCE	FIG. ITEM NO.	
			0501 - RADIATOR (cont)							
			"A" (28835) DM94							
			2910-417-401 CAP, RADIATOR			1	*	*	9	1
			5305-010-0159 SCREEN, CAP, HEXAGON W/AD: radiator mfg; 1/2-13 thd size; 1 1/4 in. lg			2	*	*	9	8
			5305-011-0260 SCREEN, TAPPING: THREEID FLOWING: radiator guard mfg, cadmium or zinc plated; 1/4-20 thd size; 1/2 in. lg			4	*	*	9	5
			5310-010-5323 WASHER, LOCK: radiator mfg, 0.509 in. id, 0.878 in. od, 0.125 in. thk			2	*	*	9	9
			0502 - COOLING, DEFLECTORS, AIR DUCT, SHROUD							
			5306-022-7776 BOLT, MACHINE: fan shroud mfg, cadmium or zinc plated; 5/16-18 thd size; 1 1/4 in. lg			9	*	*	10	2
			W/UT, PLATE, HEXAGON: fan shroud mfg screw, cadmium or zinc-chromate: "A"			9	*	*	10	4
			5/16-18 thd size			1	*	*	10	5
			SHROUD, FAN			1	*	*	9	13
			5310-012-0214 WASHER, LOCK: fan shroud mfg screw, cadmium or zinc-chromate: "A"			9	*	*	10	3
			0.510 in. id, 0.591 in. od, 0.078 in. thk							
			0503 - LINES AND FITTINGS, HOSES, PIPES, CLAMPS							
			(79403) A151/2			2	*	*	9	10
			CLAMP, HOSE: radiator to cylinder head (GX)							
			(Supplied under Stock No. 4720-529-5965)							
			CLAMP, HOSE: water inlet pipe, top and bottom hose, cadmium plated: (79403) A101/2			4	*	*	9	10
			1 to 3 in. id (GX)			2	*	*	10	16
			CLAMP, HOSE: water pump by-pass elbow, galvanized: 1/2 to 2 1/2 in. id (GX) (74865) 870469			1	*	*	10	12
			"A" (18163) 26			1	*	*	9	7
			COCK, DRAIN: radiator			1	*	*	11	17
			COCK, DRAIN: radiator, brass body; male end, 3/8-18 thd size			1	*	*	9	14
			HOSE, PREPARED: water pump by-pass			1	*	*	9	14
			HOSE: radiator outlet, bottom			1	*	*	9	14
			MANUFACTURE FROM:							
			HOSE, RUBBER (12 in. required)			1	See Group	9501		11
			HOSE: radiator outlet, bottom			1				
			MANUFACTURE FROM:							
			HOSE, RUBBER (12 in. required)			1	See Group	9501		15
			HOSE, RUBBER: radiator to cylinder head			1	*	*	9	12
			PIPE: water inlet, radiator to water pump			1	*	*	9	12
			WASHER: water pump by-pass elbow			1	*	*	9	12
			(Component of GASKET SETS, Stock No. 2905-540-9323, Stock No. 2905-523-0007, Stock No. 2905-024-2076 and Stock No. 2905-620-0090, See Group 0100)							

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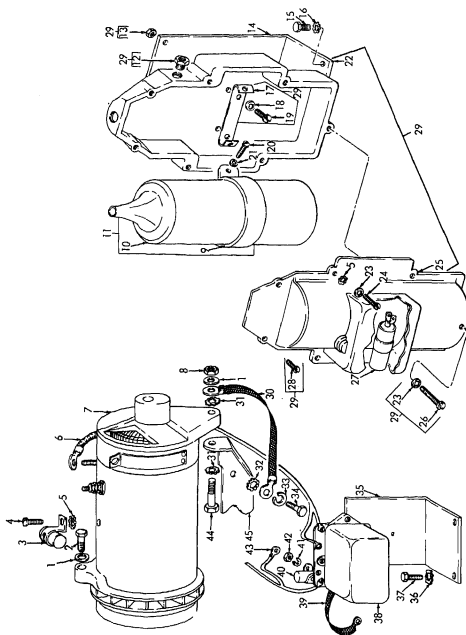


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Figure 11. Water Pump, Fan, and Thermostat.

INDEX TO PARTS, FIGURE 11		
Item Reference Number	Functional Group Number	Item Name
1	0506	SCREW
2	0506	ELBOW
3	0506	WASHER
4	0506	THERMOSTAT
5	0506	GASKET
6	0504	PUMP
7	0504	GASKET
8	0504	WASHER
9	0504	SCREW
10	0504	SCREW
11	0505	PULLEY
12	0505	BELT
13	0505	FAN
14	0505	WASHER
15	0505	SCREW
16	0503	CLAMP
17	0503	HOSE

SOURCE CODES		FEDERAL NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN- DABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS- TRATIONS
TECHNICAL	RECOVER- ABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE			
							SOURCE	1-5 EDP	6-10 EDP	
			0504 - WATER PUMP							
		X1	GASKET: water pump to cylinder block (Component of GASKET SETS, Stock No. 2805-353-9007 and Stock No. 2805-600-0096, See Group 0100)	(74065) 637440		1				11 7
		P1	PUMP, WATER	(74065) 1064925		1	*	*		11 6
		X2	SCREW, MACHINE: water pump mtg, cadmium or zinc plated; 3/8-16 tnd size; 1 1/8 in. lg			2	*	*		11 9
		X2	SCREW, MACHINE: water pump mtg, cadmium or zinc plated; 3/8-16 tnd size; 2 in. lg			1	*	*		11 10
		X2	WASHER, LOCK: water pump mtg screw, cadmium-chromate; 0.362 in. id, 0.688 in. od, 0.094 in. thk	(74065) 120882		3	*	*		11 8
			0505 - FAN ASSEMBLY							
		P	BELT, V: fan and generator	(74065) 1116206		1	*	*		11 12
		X2	FAN	(74065) 592475		1	*	*		11 13
		X2	GUANO ASSEMBLY - FAN	"A" (74065) 083339A		1	*	*		10 10
		X1	GUANO, FAN: left	"A" (74065) 083339A		1	*	*		10 9
		X1	GUANO, FAN: right	"A" (74065) 083339A		1	*	*		10 8
		X2	NUT, PLAIN, BEARING: fan guard mtg screw, No. 10-24 tnd size	"A" (74065) 670300		2	*	*		10 6
		X2	PULLEY, GROOVE: fan guard mtg, No. 10-24 tnd size; 1 1/2 in. lg			2	*	*		11 11
		X2	SCREW, MACHINE: fan guard mtg, No. 10-24 tnd size; 1 1/2 in. lg	"A"		2	*	*		10 7
		X2	SCREW, MACHINE: fan mtg to water pump hub, 5/16-18 tnd size; 5/8 in. lg			4	*	*		11 15
		X2	SCREW, TAPPING, THREADED FOOTING: fan guard mtg, cadmium or zinc plated; No. 8-32 tnd size; 1/4 in. lg	"A"		4	*	*		10 11
		X2	WASHER, LOCK: fan mtg screw to water pump hub, cadmium or zinc-chromate; 0.319 in. id, 0.591 in. od, 0.078 in. thk	(74065) 120214		4	*	*		11 14
			0506 - WATER MANIFOLDS, HEADERS, THERMOSTATS AND HOUSING, GASKETS							
		X2	ELBOW, WATER OUTLET: cylinder water outlet	(74065) 1116319		1	*	*		11 2
		X1	GASKET: cylinder water outlet elbow (Component of GASKET SETS, Stock No. 2805-560-0023, Stock No. 2805-353-9007, Stock No. 2805-600-0096, and Stock No. 2805-004-2076, See Group 0100)	(74065) 50082		1				11 5
		X2	SCREW, MACHINE: water outlet elbow mtg, cadmium or zinc plated; 3/8-16 tnd size; 2 in. lg			2	*	*		11 1
		P1	THERMOSTAT, FLOW CONTROL: 180 deg F	(74065) 1124989		1	*	*		11 4
		X1	WASHER, NONMETALLIC: thermostat, rubber; 1 23/64 in. id, 1 35/64 in. od, 3/32 in. thk (Component of GASKET SETS, Stock No. 2805-560-0023 and Stock No. 2805-004-2076, See Group 0100)	(74065) 063230		1				11 3



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Figure 12. Coil, Regulator, and Generator.

INDEX TO PARTS, FIGURE 12

Reference Number	Functional Group	Item Name
1	0601	WASHER
2	0601	BOLT
3	0615	CAPACITOR
4	0615	SCREEN
5	0615	WASHER
6	0615	CABLE AY
7	0601	GENERATOR AY
8	0601	NUT
9	0601	BRACKET
10	0604	COIL
11	0604	ADAPTER
12	0615	NUT
13	0615	BRACKET
14	0615	SCREEN
15	0615	WASHER
16	0615	BRACKET
17	0615	WASHER
18	0615	SCREEN
19	0615	WASHER
20	0615	SCREEN
21	0604	WASHER
22	0615	SHIELD
23	0615	WASHER
24	0615	SHIELD
25	0615	SHIELD
26	0615	SCREEN
27	0615	CAPACITOR
28	0615	SHIELD
29	0615	SHIELD
30	0615	WASHER
31	0601	WASHER
32	0601	WASHER
33	0601	WASHER
34	0601	SCREEN
35	0602	REGULATOR
36	0602	WASHER

INDEX TO PARTS, FIGURE 12 (cont.)

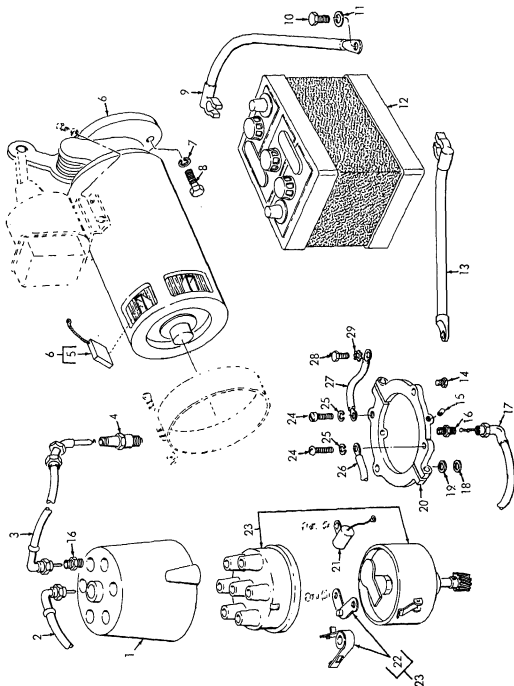
Reference Number	Functional Group	Item Name
37	0602	SCREEN
38	0602	REGULATOR
39	0615	LEAD
40	0615	CAPACITOR
41	0615	WASHER
42	0615	NUT
43	0615	CABLE AY
44	0601	BOLT
45	0601	BRACKET

SOURCE CODES		FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER ILLUSTRATIONS			
TECHNICAL SERVICE	SOURCE					MAINTENANCE	RECOVERABILITY	15 DAYS OPERATIONAL MAINTENANCE	2ND ECH	6-10 EQP
GROUP 06 - ELECTRICAL SYSTEM									
0601 - GENERATOR									
9	X2	0	BOLT, MACHINE: generator mg, cadmium or zinc plated; 5/16-24 tld size; 1 1/4 in. lg	(74665) 123774	2	*	*	12	44
9	X2	0	DOZ, MACHINE: generator strap, cadmium or zinc-chromate; 5/16-18 tld size; 3/4 in. lg	"A" (74665) 122007	1	*	*	12	2
X2	0		BRACKET, GENERATOR	(74665) 667751	1	*	*	12	45
P1	0	R	GENERATOR, ENGINE ACCESSORY (fungal treated) (includes component of PARTS KIT, Stock No. 2920-723-0427)	(74665) 1330241	1	*	*		
2	0		GENERATOR ASSEMBLY (Replaced by GENERATOR ASSEMBLY, Stock No. 2920-374-3702)	"B" (74665) 1257392	1			12	7
X2	0		NOT: generator armature, pulley	(19728) 626210	1	*	*		
9	X2	0	NUT, PLAIN, HEXAGON: generator mg screw, cadmium or zinc-chromate; 5/16-24 tld size	(74665) 120048	2	*	*	12	8
P	0		PARTS KIT, ENGINE GENERATOR	(81326) KIT19728-12	1	*	*		
X1			BEARING, A.B.S. BEARING	(19728) 650384	1				
X1			BEARING, SLEEVE (1)	(19728) 62679	1				
X1			BRUSH SET: generator	(19728) 65201245	1				
31	X1		INSULATOR, BUSHING (2)	(19728) 65201245	0				
X1			FLY, RETAINING ARMATURE	(19728) 626171A	1				
X1			SPRING, BELTICAL, TENSION (1)	(19728) 62645A	1				
X1			SPRING, BELTICAL, TENSION	(19728) 62645A	2				
X1			WASHER (1)	(19728) 64990	0				
X1			WASHER, FLY: drive head	(19728) 626144	2				
X1			WASHER, NONMETALLIC (1)	(19728) 65030	0				
X1			WASHER, NONMETALLIC (1)	(19728) 62644	0				
X2	0		PULLEY, GENERATOR	"B" (74665) 1264943	1	*	*		
X2	0		PULLEY, GENERATOR	"A" (74665) 1402508	1	*	*		
X2	0		SCREW, ASSMLED WASHER: generator adjusting strap, 5/16-18 tld size; 15/16 in. lg	"B" (74665) 1123371	1	*	*		
9	X2	0	SCREW, CAP, HEXAGON HEAD: generator bracket mg, cadmium plated; 7/16-14 tld size; 1 in. lg	(74665) 122253	2	*	*	12	34
X2	0		STRAP: generator adjusting	(74665) 1321959	1	*	*		
9	X2	0	WASHER, LOCK: generator bracket mg screw, cadmium or zinc plated; 0.456 in. ld, 1.142 in. od, 0.046 in. thk	"A"	2	*	*	12	32
9	X2	0	WASHER, LOCK: generator mg screw, cadmium or zinc-chromate; 0.466 in. ld, 0.784 in. od, 0.109 in. thk	"B"	2	*	*	12	33
9	X2	0	WASHER, LOCK: generator pulley locknut, cadmium or zinc-chromate; 0.636 in. ld, 1.002 in. od, 0.126 in. thk	(74665) 627948	1	*	*		
9	X2	0	WASHER, LOCK: generator strap, cadmium or zinc-chromate; 0.356 in. ld, 0.599 in. od, 0.031 in. thk	"A" (74665) 178532	1	*	*	12	31

SOURCE CODES		FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPIRATION DATE	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENT			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE						RECOVERABILITY	MAINTENANCE	15 DAYS OPERATIONAL MAINTENANCE		
									1-5 EGP		2ND ECH	FIG. NO.	ITEM NO.
0601 - GENERATOR (cont)											
X2	0	5310-275-6616	WASHER, SPRING TENSION; generator strap, 0.332 in. id, 13/16 in. od, 0.081 in. thk	"A" (74865) 1123372	2	*	*	12	1		
0602 - GENERATOR REGULATOR											
X2	0	2920-732-7707	BRACKET: voltage regulator mtg	(28835) 504014	1	*	*	12	35		
P1	0	2920-640-7719	REGULATOR, VOLTAGE	(74865) 1330542	1	*	*	12	38		
X1			GASKET: regulator cover	(19728) W9590C	1	*	*				
9	X2	5305-017-9791	SCREW, CAP, HEXAGON HEAD: regulator bracket mtg, 1/4-20 thd size, 1/2 in. lg	(74865) 123382	2	*	*	12	37		
9	X2	5305-042-6950	SCREW, CAP, HEXAGON HEAD: regulator mtg, cadmium or zinc plated; 3/8-24 thd size; 1/2 in. lg	(74865) 123394	2	*	*				
9	X2	5310-326-5977	WASHER, FLAT: regulator mtg screw, cadmium or zinc-chrome; 0.406 in. id, 0.812 in. od, 0.045 in. thk	(74865) 123394	2	*	*				
9	X2	5310-017-3124	WASHER, LOCK: regulator bracket mtg, 0.262 in. id, 0.742 in. od, 0.036 in. thk	(74865) 123394	2	*	*	12	36		
9	X2	5310-637-9541	WASHER, LOCK: regulator mtg screw, cadmium-chrome; 0.352 in. id, 0.688 in. od, 0.094 in. thk	(74865) 123392	2	*	*				
0603 - STARTER											
P	0	2920-007-4063	MOTOR REPAIR KIT: starter	"B" (81336) KTI19728-52	1	*	*				
11	X1	5977-320-3950	BRUSH SET, ELECTRICAL CONTACT: starter	"B" (19728) M22012B5	1	*	*	13	5		
11	X1	5975-143-5599	BUSHING, ELECTRICAL CONTACT: insulation, terminal stud	"B" (19728) M4085	4	*	*				
X1		2920-695-7139	SPRING, BRUSH	"B" (19728) M219C	4	*	*				
9	X1	5310-220-6456	WASHER, FLAT: drive end	"B" (19728) M418A	1	*	*				
X1		5300-335-5124	WASHER, NONMETALLIC: commutator end (1) (as required)	"B" (19728) M454B	1	*	*				
X1		5330-291-5921	WASHER, NONMETALLIC: commutator end (1) (as required)	"B" (19728) M454	1	*	*				
X1		5330-424-3278	WASHER, NONMETALLIC: insulation, terminal stud, outer	"B" (19728) M431A	1	*	*				
X1		5330-391-4803	WASHER, NONMETALLIC: terminal stud, inner	"B" (19728) M439A	1	*	*				
X1		2920-364-5974	WICK	"B" (19728) M4D10	1	*	*				
P	0	2920-715-0426	PARTS KIT, ELECTRICAL ENGINE STARTER: starter model M46115E	"A" (19728) KTI19728-13	1	*	*				
11	X1	5977-636-4096	BRUSH SET, ELECTRICAL CONTACT	(19728) M22012B5	1	*	*				
11	X1	5977-455-7093	END BELL, ELECTRICAL, ROTATING EQUIPMENT: commutator end	"A" (19728) M4200C	1	*	*				
11	X1	5977-495-7139	SPRING, HELICAL, TENSION	"A" (19728) M219C	4	*	*				
X1		2920-364-5974	WICK	"A" (19728) M4D10	1	*	*				
9	X1	5310-220-6456	WASHER, FLAT: armature drive end	"A" (19728) M418A	1	*	*				
X1		5330-395-6578	WASHER, NONMETALLIC: commutator end	"A" (19728) M439A	1	*	*				
X1		5330-291-5921	WASHER, NONMETALLIC: commutator end (as required)	"A" (19728) M454F	1	*	*				
9	X1	5305-017-5257	SCREW, MACHINE: starter mtg	(74865) 122267	2	*	*	13	8		
P1	0	2920-248-3648	STARTER, ENGINE, ELECTRICAL	"B" (74865) 131459	1	*	*	13	6		
(Includes components of REPAIR KIT, Stock No. (81336) KTI19728-52)											

INDEX TO PARTS, FIGURE 13

Reference Number	Functional Group	Item Name
1	0615	SHIELD
2	0604	CABLE SET
3	0604	CABLE SET
4	0604	SPARE PLUG
5	0603	BLSR SET
6	0603	WASHER
7	0603	WASHER
8	0603	WASHER
9	0612	LEAD
10	0612	SCREW
11	0612	WASHER
12	0612	BATTERY
13	0612	LEAD
14	0615	PLUG
15	0615	WASHER
16	0604	ADAPTER
17	0604	CABLE KIT
18	0615	WASHER
19	0615	SCREW
20	0604	WASHER
21	0604	WASHER
22	0604	CONTACT SET
23	0604	DISTRIBUTOR
24	0615	WASHER
25	0615	WASHER
26	0615	WASHER
27	0615	LEAD
28	0615	SCREW
29	0615	WASHER



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Figure 13. Starter, Battery, and Distributor.

SOURCE CODES		FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDI- ABILITY	QUANTITY IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUS- TRATIONS	
TECHNICAL SERVICE	RECOVER- ABILITY						SOURCE	MAINTENANCE	15 DAYS ORGANIZATIONAL MAINTENANCE		FIG. ITEM NO.
0603 - STARTER (cont)											
X1			BAND, COVER, STARTING MOTOR				"B" (1972B) NMW24				
P1	0	R	STARTER, ENGINE, ELECTRICAL				"A" (74865) 1330243				
			(Includes components of PARTS KIT, Stock No. 2920-715-0426)								
X1			RELAY SOLENOID, ENGINE STARTER, ELECTRICAL				"A" (1972B) SSK1010T				
9	X1		WASHER, LOCK: starter nut screw								
0604 - IGNITION COMPONENTS											
X2	0		BRACKET: Ignition cables				"B" (74865) 1092957				
P1	0		CABLE SET, SPECIAL PURPOSE, ELECTRICAL: Ignition, shielded				(280357) DM6381A				
X1			CABLE: Ignition, No. 1, shielded				(280357) DM6381AA			13 3	
X1			CABLE: Ignition, No. 2, shielded				(280357) DM6381AB				
X1			CABLE: Ignition, No. 4, shielded				(280357) DM6381AD				
X1			CABLE: Ignition, No. 5, shielded				(280357) DM6381AE				
X1			CABLE: Ignition, No. 6, shielded				(280357) DM6381AF				
X1			CABLE ASSEMBLY: Ignition, No. 3, shielded				(280357) DM6381AC				
X1			CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL: coil to distributor				(280357) DM6381AG			13 2	
X1			CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL: primary				(280357) DM6381AH			13 17	
X2	0		STRAP, BOWING: distributor shield to engine block				(280357) DM6319			0615	
A	0		COIL, IGNITION: w/clip				"A" (74865) 1330244				
P1	0		BRACKET, IGNITION COIL				"A"				
A	0		COIL, IGNITION				"B" (74865) 1306667			12 11	
A	0		COIL, IGNITION: w/clip				"B"			12 9	
P1	0		BRACKET, IGNITION COIL				"B"			12 10	
P1	0		COIL, IGNITION				"B"			13 23	
P1	0		DISTRIBUTOR, IGNITION				"B" (1972B) 1AD4203				
			(Includes components of PARTS KIT, Stock No. 2920-723-3128)								
P1	0	R	DISTRIBUTOR, IGNITION SYSTEM				"A" (74865) 1321787			13 23	
			(Includes components of PARTS KIT, Stock No. 2920-715-0430)								
X1			ARM, ADVANCE				"A" (1972B) 1G5114A				
X1			CLIP, OIL LUBRICATING				"A" (1972B) X1590				
9	X2	0	WASHER, PLAT: advance arm				"A" (1972B) SSK34B				
			5/16-24 thread size								
9	X2	0	NUT, PLAIN, HEXAGON: coil nut bracket, cadmium or zinc-chromate;				"B" (74865) 120368				
			5/16-24 thread size								
X2	0		NUT, PLAIN, HEXAGON: coil nut, cadmium or zinc-chromate;				"A" (74865) 102368				
			5/16-24 thread size								
X2	0		NUT, PLAIN, HEXAGON: coil nut, cadmium plated; 1/4-28 thread size				(74865) 120367				
9	X2	0	NUT, PLAIN, HEXAGON: coil terminal stud, cadmium or zinc plated;								
			No. 10-32 thread size				(74865) 120614				

[illegible]

SOURCE CODES		TECHNICAL SERVICE	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS
RECOVERABILITY	SOURCE							MAINTENANCE	15 DAYS ORGANIZATIONAL MAINTENANCE	FIG. ITEM NO.	
				0604 - IGNITION COMPONENTS (cont)							
	X1		5330-245-5503	GASKET: spark plug (Component of GASKET SET, Stock No. 2905-353-9007, See Group 0100)	"A" (74865) 150189		6				
	P	0	2420-294-3867	SPARK PLUG (Minimum stockage of 6 is authorized)	"B" (19730) 4808		6	6	12	13	4
	X1		5330-245-5503	GASKET: spark plug (Component of GASKET SET, Stock No. 2905-353-9007, See Group 0100)	"B" (74865) 150189		6				
9	X2	0	5307-010-3173	STUD, PLAIN: coil mg bracket, one end 5/16-18 thd size; other end 5/16-24 thd size; 1 1/4 in. lg	"A" (74865) 103173		1	*	*		
9	X2	0	5307-010-3173	STUD, PLAIN: coil mg bracket, one end, 5/16-18 thd size; other end, 5/16-24 thd size; 1 1/4 in. lg	"B" (74865) 103173		2	*	*		
	X2	0		TUBE: ignition cables	"A" (74865) 118452		1	*	*		
9	X2	0	5310-044-6102	WASHER, FLAT: distributor clamp, brass; 0.265 in. id, 0.625 in. od, 0.049 in. thk	"A"		1	*	*		
9	X2	0	5310-194-1340	WASHER, FLAT: distributor clamp, cadmium or zinc-chromate; 0.201 in. id, 0.605 in. od, 0.065 in. thk	"B"		1	*	*		
	X2	0		WASHER: ignition coil secondary cable	(74865) 1345632		1	*	*		
9	X2	0	5310-013-8485	WASHER, LOCK: coil mg bracket, cadmium or zinc-chromate; 0.326 in. id, 0.599 in. od, 0.031 in. thk	(74865) 138405		1	*	*		
9	X2	0	5310-013-8485	WASHER, LOCK: coil mg bracket stud, cadmium or zinc-chromate; 0.326 in. id, 0.599 in. od, 0.031 in. thk	"B" (74865) 138405		2	*	*		
	X2	0	5310-582-5965	WASHER, LOCK: coil mg, cadmium-chromate; 0.255 in. id, 0.493 in. od, 0.062 in. thk			2	*	*		
9	X2	0	5310-582-5965	WASHER, LOCK: distributor clamp, cadmium-chromate; 0.255 in. id, 0.493 in. od, 0.062 in. thk	"B" (74865) 120300		1	*	*		
9	X2	0	5310-013-1098	WASHER, LOCK: distributor clamp, cadmium or zinc-chromate; 0.255 in. id, 0.495 in. od, 0.077 in. thk	"A" (74865) 131098		1	*	*		
9	X2	0	5310-013-8479	WASHER, LOCK: distributor terminal wire, cadmium or zinc-chromate; 0.200 in. id, 0.402 in. od, 0.023 in. thk	(74865) 138479		3	*	*		
	X2	0	5330-290-0793	WASHER, NONMETALLIC: distributor to crankcase, cork; 1.375 in. id, 1.385 in. od, 3/16 in. thk	(74865) 41928		1	*	*		
				0607 - INSTRUMENT OR ENGINE CONTROL PANEL							
	11	P1	0	6425-252-0545	AMMETER: battery charging 30-0-30	(29833) 541046A	1	*	*		17
	11	P1	0	4930-272-1331	SWITCH, LOCK, IGNITION	(29833) 541014	1	*	*		12
	11	P1	0	5930-256-1109	SWITCH, FUSE: start, dc, 20v, 20 amps	(29833) 55570A	1	*	*		17
	11	P1	0	5930-250-3541	SWITCH, TOWEL: engine canopy lights	(29833) 541312	1	See Group	9901		17
				0609 - LIGHTS							
	P	0	6540-155-8644	LAMP, INCANDESCENT: canopy light, 6-8v, No. 1130			3	*	*		

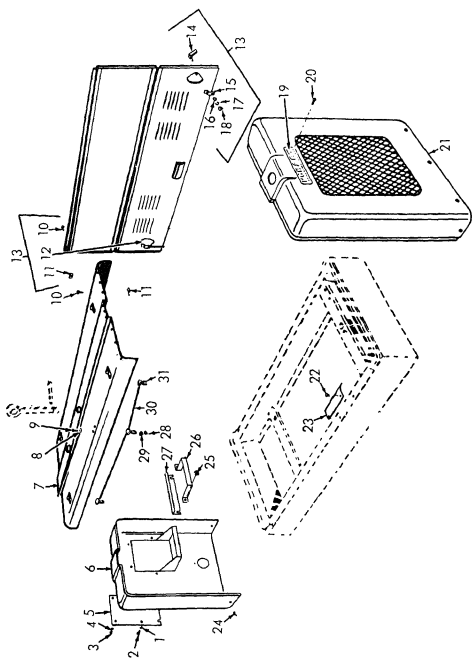
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SOURCE CODES		TECHNICAL SERVICE	SOURCE	RECOVERABILITY	FEDERAL NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABLE	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAINTENANCE			FIG. NO.	ITEM NO.	REMARKS
MAINTENANCE	RECOVERABILITY									IS AKA'S ORGANIZATIONAL MAINTENANCE					
										2ND ECH	1-5 EGP	6-10 EGP			
6615 - RADIO INTERFERENCE SUPPRESSION (cont)															
											(28035) DM6322				
9	X2	0	5335-174-2937		SCREW, vent, distributor shield				1	*	*	*	13	19	
9	X2	0	5305-017-0037		SCREW, CAP, HEXAGON HEAD; distributor bonding strap to engine block, 3/16-16 thd size; 3/4 in. lg				1	*	*	*	13	26	
9	X2	0	5305-021-3761		SCREW, CAP, HEXAGON HEAD; generator band lead, 7/16-14 thd size; 1 in. lg				2	*	*	*			
9	X2	0	5305-017-9791		SCREW, CAP, HEXAGON HEAD; ignition coil shield mtg, 1/4-20 thd size; 1/2 in. lg				2	*	*	*	12	15	
9	X2	0	5305-010-0765		SCREW, MACHINE; bonding strap, distributor shield to ignition coil, No. 10-32 thd size; 5/8 in. lg				1	*	*	*	12	24	
9	X2	0	5305-206-3339		SCREW, MACHINE; bonding strap, distributor shield to ignition coil, passivated finish, No. 10-32 thd size; 3/4 in. lg				1	*	*	*			
9	X2	0	5305-130-0611		SCREW, MACHINE; bonding strap distributor shield to ignition coil, No. 10-32 thd size; 3/4 in. lg				1	*	*	*			
9	X2	0	5305-022-6004		SCREW, MACHINE; bonding strap, distributor to ignition coil, No. 10-32 thd size; 5/8 in. lg				1	*	*	*			
9	X2	0	5305-011-0499		SCREW, MACHINE; capacitor mtg, No. 10-24 thd size; 3/8 in. lg				1	*	*	*			
9	X2	0	5305-011-0489		SCREW, MACHINE; distributor bonding strap, No. 10-24 thd size; 3/4 in. lg				2	*	*	*	13	24	
9	X2	0	5305-011-0502		SCREW, MACHINE; distributor bonding strap, No. 10-24 thd size; 3/4 in. lg				1	*	*	*			
9	X2	0	5305-010-0749		SCREW, MACHINE; generator capacitor mtg, No. 8-32 thd size; 1/4 in. lg				1	*	*	*	12	4	
9	X2	0	5305-011-0958		SCREW, MACHINE; regulator band lead, 1/4-20 thd size; 7/8 in. lg				2	*	*	*			
9	X2	0	5305-265-6620		SETSCREW; distributor shield collar, cadmium or zinc plated; 1/4-20 thd size; 7/8 in. lg				2	*	*	*	13	15	
X2	0	0	2920-371-5447		SHIELD, IGNITION SYSTEM, DISTRIBUTOR				2	*	*	*	12	23	
X2	0	0	2920-377-0968		ADAPTER; spherical joint, distributor shield				7	See Group 9901			12	29	
X1	0	0	2920-371-5449		SHIELD, IGNITION DISTRIBUTOR				1	*	*	*	13	1	
X2	0	0	5935-024-2196		SHIELD ASSEMBLY, IGNITION COIL				1	*	*	*			
X2	0	0	2920-371-5449		ADAPTER, COIL TO DISTRIBUTOR LEAD; spark coil resistor mtg				2	See Group 9901			12	25	
X1	0	0	5310-010-0604		ADAPTER; spherical joint coil shield				1	*	*	*	12	17	
X2	0	0	2920-371-5447		BRACKET; mtg				1	*	*	*	12	13	
9	X7	0	5310-010-0984		NUT, PLAIN, HEXAGON; coil shield bracket, 1/4-20 thd size				2	*	*	*	12	15	
9	X2	0	5305-275-5277		SCREW, MACHINE; shield bracket, 1/4-20 thd size; 1 in. lg				2	*	*	*	12	19	
9	X2	0	5305-011-0486		SCREW, MACHINE; shield top, coil, No. 10-24 thd size; 5/8 in. lg				5	*	*	*	12	28	
9	X2	0	5305-022-4592		SCREW, MACHINE; shield top, coil, No. 10-24 thd size; 1/4 in. lg				1	*	*	*	12	26	
X1	0	0	2920-371-5446		SHIELD, IGNITION COIL; bottom				1	*	*	*	12	22	
X1	0	0	2920-371-5447		SHIELD; top, ignition coil				1	*	*	*	12	25	
P1	0	0	2920-371-5453		SUPPRESSOR, IGNITION INTERFERENCE; resistor coil to distributor head				1	*	*	*			
9	X2	0	5310-011-5547		WASHER, LOCK; coil shield bracket, 0.262 in. id, 0.469 in. od, 0.251 in. thk				2	*	*	*	12	18	
9	X2	0	5310-010-4497		WASHER, LOCK; shield top screw, 0.194 in. id, 0.337 in. od, 0.047 in. thk				6	*	*	*	12	23	
X2	0	0			STRAP; bonding distributor shield to engine block				1	*	*	*			
						(28035) DM6319									

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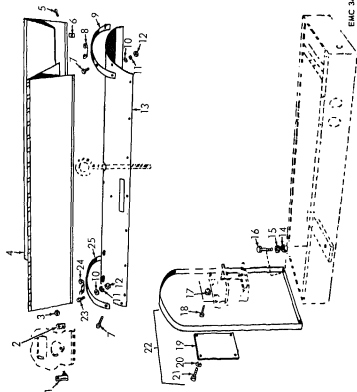
PARTS, FIGURE 14

Functional Group	Item Name
0612	WASHER
0612	SCREW
1700	SCREW
1700	WASHER
1700	COVER
1700	PANEL
1700	PANEL
0609	WASHER
0609	SCREW
1700	SCREW
1700	NUT
1700	LATCH
1700	DOOR
1700	HANDLE AY
1700	LATCH
1700	WASHER
1700	WASHER
1700	NUT
2210	PLATE
2210	SCREW
1700	PANEL
0401	SCREW
0401	SHIELD
1700	SCREW
0612	NUT
0612	HOLDER
0612	BAR
0609	NUT
0609	WASHER
0609	WIRING BARNES
0609	LAMPHOLDER



EMC 3431-204-20P/14

Figure 14. Panels and Door for Symbol (A).



EMC 3431-204-20P/15

INDEX TO PARTS, FIGURE 15

Reference Number	Functional Group	Item Name
1	1700	HANDLE
2	1700	LATCH
3	1700	NUT
4	1700	WASHER
5	1700	SCREW
6	1700	NUT
7	1700	WASHER
8	1700	SCREW
9	1700	STRAP
10	1700	WASHER
11	1700	WASHER
12	1700	SCREW
13	1700	PANEL
14	1700	NUT
15	1700	WASHER
16	1700	SCREW
17	0612	NUT
18	0612	BOLT
19	1700	COVER
20	1700	WASHER
21	1700	SCREW
22	1700	CANOPY
23	1700	BOLT
24	1700	LOCK
25	1700	STRAP

Figure 15. Side Panels and Canopy for Symbol (B).

SOURCE CODES	TECHNICAL SERVICE	SOURCE	RECOVERABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
									15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	6-10 EQP	FIG. ITEM NO.	ITEM NO.
92	0				1700 - BODY, CAB, HOOD, ROLL ASSEMBLIES (cont)			2				14	15
92	0				LATCH, DOOR, left			2				14	15
92	0				LATCH, DOOR, right			2				14	15
92	0				NUT, PLAIN, MACHINE, door latch, 5/16-18 thd size			4				14	18
92	0				NUT, PLAIN, PLATE, side door assembly, No. 10-24 thd size			14				14	11
92	0				SCREW, MACHINE, side door assembly, No. 10-24 thd size, 3/16 in. lg			14				14	10
92	0				WASHER, PLAT, door latch, 5/16 in. dia, 3/4 in. od, 1/16 in. thk			4				14	16
92	0				WASHER, LOCK, door latch, 0.319 in. dia, 0.391 in. od, 0.070 in. thk			4				14	17
92	0				FASTENER: door, left			1				14	17

SOURCE CODES		FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABLE QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS		ILLUSTRATIONS
TECHNICAL SERVICE	RECOVERABILITY					15 DAYS ORGANIZATIONAL MAINTENANCE		
						1-5 EGP	6-10 EGP	
1700 - BODY, CAB, HOOD, BULL ASSEMBLIES (cont)								
X2	0		PASTER: door, left and right		2		"g" (28035) 30M6343	
X2	0		PASTER: door, right		1		"A" (28035) 30M6275	
X2	0		HANDLE, DOOR		1		"g" (28035) 0M6347	
X2	0		LATCH, DOOR		2		"g" (28035) 0M6350	15 1
X2	0		LOCK, HOOD DOOR: front		1		"g" (28035) 0M413	15 2
X2	0		LOCK, HOOD DOOR: rear		1		"g" (28035) 0M412	15 3
9	X2	0	NUT, PLAIN, HEXAGON: door latch, 5/16-18 thd size		2		"g" (28035) 0M413	15 4
9	X2	0	5310-010-2634		10		"g" (28035) 0M413	15 5
9	X2	0	5310-010-2637		2		"g" (28035) 0M413	15 6
9	X2	0	NUT, PLAIN, HEXAGON: rear panel to skid screw, 1/2-13 thd size		2		"g" (28035) 0M413	15 7
9	X2	0	5310-012-5599		22		"A" (28035) 0M413	15 8
9	X2	0	NUT, PLAIN, PLATE: hood top screw, No. 10-24 thd size		14		"g" (28035) 0M413	15 9
X2	0		PANEL, HOOD: front		1		"A" (28035) 30M6272	15 10
X2	0		PANEL, HOOD: rear		1		"A" (28035) 30M6250	15 11
X2	0		3431-732-1167		1		"A" (28035) 30M6237	15 12
X2	0		PANEL, HOOD: upper section		1		"g" (28035) 0M413	15 13
9	X2	0	5305-042-7237		4		"A" (28035) 0M413	15 14
9	X2	0	5305-010-0159		2		"g" (28035) 0M413	15 15
9	X2	0	5305-286-1494		10		"A" (28035) 0M413	15 16
9	X2	0	5305-011-0499		22		"A" (28035) 0M413	15 17
9	X2	0	5305-011-0500		14		"g" (28035) 0M413	15 18
X2	0		STRAP: upper hood panel, radiator end		1		"g" (28035) 0M413	15 19
X2	0		STRAP: upper hood panel, rear		10		"g" (28035) 0M413	15 20
9	X2	0	5310-010-3319		4		"A" (28035) 0M413	15 21
9	X2	0	5310-010-3320		12		"g" (28035) 0M413	15 22
9	X2	0	5310-010-3323		2		"g" (28035) 0M413	15 23
GROUP 22 - MISCELLANEOUS BODY, CHASSIS OR HULL, AND ACCESSORY ITEMS 2210 - DATA PLATES AND INSTRUCTION HOURES								
9	P	0	5330-543-3261		2		"g" (28035) 0M413	15 24

9	X2	0	3432-025-3106	PLATE, IDENTIFICATION (6 volts)	(28035) DM1708	1	*	17	23
	X2	0	3432-025-3107	PLATE, IDENTIFICATION (115 volts)	(28035) DM170C	1	*	17	21
	X2	0	3431-715-712	PLATE, IDENTIFICATION (41-cou-sec)	(28035) AM164	1	*	16	10
	X2	0	3431-715-712	PLATE, IDENTIFICATION (41-cou-sec)	(28035) DM8345	1	*	17	13
	X2	0	3431-715-715	PLATE, IDENTIFICATION (ground)	(28035) AM165	1	*	16	7
	X2	0	3431-025-3109	PLATE, IDENTIFICATION: welder radiator	"A" (28035) DM3451C	1	*	14	19
	X2	0	3431-317-132	PLATE, INSTRUCTION: generator control panel (turn off when not in use)	(28035) DM170A	1	*	16	16
	X2	0	3431-317-132	PLATE, INSTRUCTION: generator control panel (Set on arrow)	(28035) AM370	1	*	16	2
11	X2	0	3432-025-3094	PLATE, INSTRUCTION: generator control panel (Set on arrow)	(28035) A49	1	*	17	24
9	X2	0	3432-025-3095	PLATE, INSTRUCTION: test handle (increase current)	(28035) AM239A	1	*	16	9
	X2	0		PLATE, NAME: motor generator	(28035) AM807	1	*	16	14
	X2	0		PLATE, NAME: polarity switch	(28035) AM807	1	*	9	2
	X2	0		PLATE, NAME: welder radiator	"B" (28035) CM363	1	*	9	2
9	X2	0	5305-017-9837	SCREW, CAP, HEXAGON HEAD: radiator nameplate mfg, cadmium plated; 3/8-16 tld size; 3/4 in. lg	"B"	2	*	9	4
9	X2	0	5305-013-2622	SCREW, MACHINE: generator motor nameplate, generator control panel, instruction plates, and identification plates, cadmium or zinc plated; No. 4-40 tld size; 3/16 in. lg	"B"	12	*	16	3
9	X2	0		SCREW, MACHINE: test handle instruction plate	(28035) A49	3	*	17	23
9	X2	0		SCREW, MACHINE: test handle instruction plate (Supplied under Stock No. 5305-013-2622)		4	*	14	20
9	X2	0	5305-017-1344	SCREW, TAPPING, THREAD CUTTING: identification plates, cadmium or zinc plated; No. 6-32 tld size; 3/8 in. lg		6	*	17	11
9	X2	0	5305-042-6632	SCREW, TAPPING, THREAD FORMING: identification plates, cadmium or zinc plated; No. 4-24 tld size; 3/16 in. lg		2	*	17	11
9	X2	0	5305-016-9554	SCREW, TAPPING, THREAD FORMING: polarity switch nameplate mfg, Type F, cadmium or zinc plated; 1/4-20 tld size; 3/8 in. lg	(28035) A51	2	*	17	19
	X2	0		TRANSFER (positive and negative)		2	*	17	19
GROUP 44 - WELDING EQUIPMENT									
4403 - BRUSH HOLDER ASSEMBLY									
11	P	0	5977-447-4220	BRUSH, ELECTRICAL CONTACT: exciter	(28035) DM1501	4	*	*	*
11	P	0	5977-284-9901	BRUSH, ELECTRICAL CONTACT: 1 3/4 in. x 1 in. x 3/4 in (Minimum stockage of 12 is authorized)	(28035) AM103	12	*	*	*
9	X2	0	5310-010-9084	NUT, PLAIN, HEXAGON: exciter brush spring and arm mfg screw, 1/4-20 tld size		4	*	*	*
9	X2	0	5305-011-9959	SCREW, MACHINE: exciter brush spring and arm mfg, 1/4-20 tld size; 7/8 in. lg		4	*	*	*
9	X2	0	5305-021-8319	SCREW, TAPPING, THREAD FORMING: brush pigtail mfg, No. 14-10 tld size; 1 1/2 in. lg		12	*	*	*
9	X2	0	5305-011-1465	SCREW, TAPPING, THREAD FORMING: exciter brush pigtail mfg, cadmium or zinc plated; No. 6-15 tld size; 3/8 in. lg		8	*	*	*
11	P	0	5977-374-2501	SPRING, HELICAL, TORSION	(28035) W799-6	12	*	*	*
11	P	0	5977-371-5501	SPRING, HELICAL, TORSION: exciter brush guide	(28035) W799091	4	*	*	*
	X2	0		WASHER, CUPPED: exciter brush spring adjuster	(28035) AM630	4	*	*	*
4407 - CONTROL PANELS, HOUSING, CUBICLES									
11	P1	C	6405-254-2529	AMMETER: auxiliary control panel, 0-50 dc	(28035) DM1501	1	*	*	17
11	P1	C	6405-252-5549	AMMETER: generator, 400-0-400 dc	(28035) BM714A	1	*	*	16

INDEX TO PARTS, FIGURE 16

Reference Number	Functional Group	Item Name
1	4410	SCREW
2	2210	PLATE
3	2210	SCREW
4	4407	SCREW
5	4407	VOLTMETER
6	4410	RESISTOR
7	2210	PLATE
8	4408	CLAMP
9	2210	PLATE
10	2210	PLATE
11	4414	LEAD
12	4414	WASHER
13	4414	SCREW
14	2210	PLATE
15	4410	SWITCH
16	2210	PLATE
17	4407	ANMETER

Figure 16. Control Panel Components.

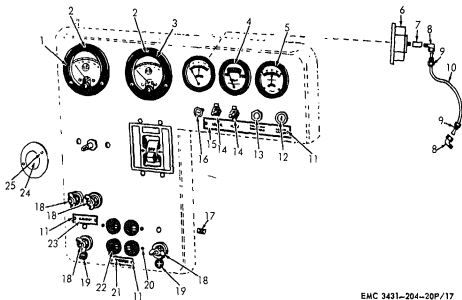
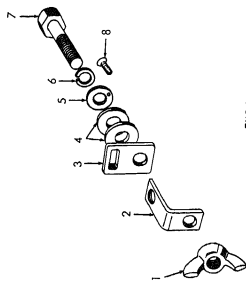


Figure 17. Auxiliary Control Panel Components.

INDEX TO PARTS, FIGURE 17

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	4407	ANMETER	10	4702	TUBE	18	4408	STUD
2	4407	SCREW	11	2210	SCREW	19	2210	TRANSFER
3	4407	VOLTMETER	12	0607	SWITCH	20	4408	SCREW
4	4702	THERMOMETER	13	0607	SWITCH	21	2210	PLATE
5	0607	ANMETER	14	0607	SWITCH	22	4408	CONNECTOR
6	4702	GAGE	15	4410	SWITCH	23	2210	PLATE
7	4702	COUPLING	16	2210	PLATE	24	2210	PLATE
8	4702	ELBOW	17	0312	CONTROL NUT	25	2210	SCREW
9	4702	INVERTED NUT						

SOURCE CODES		FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABLE	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENT			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE						RECOVERABILITY	15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH		6-10 ECH
4407 - CONTROL PANELS, HOUSING, CIRCUITS (cont)											
	9	X2	0	5305-282-1041	SCREW, TAPPING, THREAD FORMING; generator ammeter and voltmeter msg, No. 4-24 tld size; 3/8 in. lg		6	*	*	16	4
	9	X2	0	5305-216-5049	SCREW, TAPPING, THREAD FORMING; generator voltmeter and ammeter msg, cadmium or zinc plated; No. 4-24 tld size; 1/2 in. lg		6	*	*	17	2
	11	P1	0	6625-244-5573	VOLTMETER; auxiliary generator control panel	(28835) DM1902	1	*	*	17	3
	11	P1	0	6625-244-5572	VOLTMETER; generator, 100-0-100 dc	(28835) BM7134	1	*	*	16	5
4408 - CONNECTING DEVICES											
	11	X2	0	5975-447-0985	CLAMP, ELECTRICAL; ground and electrode	(28835) 5CM905	2	*	*	16	8
	11	X2	0	5970-098-7191	INSULATOR, PLATE; bakelite	(28835) 5CM974	2	*	*	18	2
	9	X2	0	5310-010-5131	NUT, PLAIN, WING; cable connecting, 1/2-13 tld size	(28835) 5CM75	2	*	*	18	3
	9	X2	0	5305-017-0987	SCREW, CAP, HEXAGON HEAD; ground and electrode connector, 1/2-13 tld size; 1 3/4 in. lg	(28835) AM750	2	*	*	18	1
	9	X2	0	5305-011-0985	SCREW, MACHINE; voltmeter cable connector washer, No. 6-32 tld size; 3/16 in. lg	(28835) AM013	2	*	*	18	7
	9	X2	0	5310-213-1215	WASHER, PLAT; voltmeter connection	(28835) AM360	2	*	*	18	8
	9	X2	0	5310-010-5325	WASHER, LOCK; connector screw, 0.209 in. id, 0.879 in. od, 0.125 in. thk	(28835) AM360	2	*	*	18	5
	9	X2	0	5330-426-1034	WASHER, NONMETALLIC; connector screw, fiber; 27/32 in. id, 1 5/8 in. od, 1/4 in. thk	(28835) 5CM976	2	*	*	18	6
	11	X2	0	5435-230-1482	CONNECTOR, RECEPTACLE, ELECTRICAL; auxiliary control panel, double three pole outlet, 15 amp, 125v	(28835) 5CM976	4	*	*	10	4
	9	X2	0	5310-017-5771	NUT, STUMPED; receptacle msg, cadmium or zinc plated; No. 6-32 tld size	(28835) 6E2989	2	*	*	17	22
	9	X2	0	5305-010-5137	SCREW, MACHINE; receptacle msg, No. 6-32 tld size; 3/8 in. lg	(28835) A010-102-1	4	*	*	17	17
	9	X2	0	5307-272-7977	STUD, CONTINUOUS THREAD; control panel, 6v, 110v, 1/4-20 tld size; 2 1/4 in. lg	(28835) CM120A	4	*	*	17	20
	9	X2	0	5310-010-5084	INSULATOR, BUSHING, FIBER; terminal stud	(28835) 1704	4	*	*	17	18
	9	X2	0	5310-010-5127	NUT, PLAIN, HEXAGON; terminal stud, 1/4-20 tld size	(28835) 1704	4	*	*	19	5
	9	X2	0	5310-010-5127	NUT, PLAIN, WING; terminal stud, 1/4-20 tld size	(28835) BM2078	6	*	*	19	2
	9	X2	0	5310-274-8777	STUD; terminal	(11597) C20534-1	4	*	*	19	1
	9	X2	0	5310-011-0664	WASHER, PLAT; terminal stud, 1/4 in. id, 1/2 in. od, 0.031 in. thk	(28835) DM1900	4	*	*	19	6
	9	X2	0	5310-011-0664	WASHER, LOCK; terminal stud, 0.262 in. id, 0.502 in. od, 0.025 in. thk	(28835) DM1900	4	*	*	19	7
	9	X2	0	5330-209-1386	WASHER, NONMETALLIC; terminal stud, fiber; 33/64 in. id, 1 7/8 in. od, 1/2 in. thk	(28835) A25	4	*	*	19	3
						(28835) A25	8	*	*	19	4
4410 - SWITCHING, TIMING AND SPEED CONTROL											
	9	X2	0	2910-430-7603	ARM, BUTTERFLY CONTROL, CARBURETOR	(28835) 5CM979	1	*	*	20	2
	9	X2	0	2910-437-4910	CHAIN ASSEMBLY; engine idle	(28835) 5CM702	1	*	*	20	8
	9	P1	0	2920-354-2307	COIL ASSEMBLY, IDLING CONTROL	(28835) 5CM929A	1	*	*	20	9

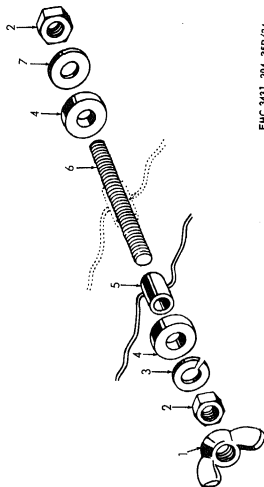


INDEX TO PARTS, FIGURE 18

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	4400	NUT	5	4405	WASHER
2	4405	BUS BAR	6	4406	WASHER
3	4406	INSULATOR	7	4408	SCREW
4	4408	WASHER	8	4408	SCREW

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Figure 18. Connecting Device (1).



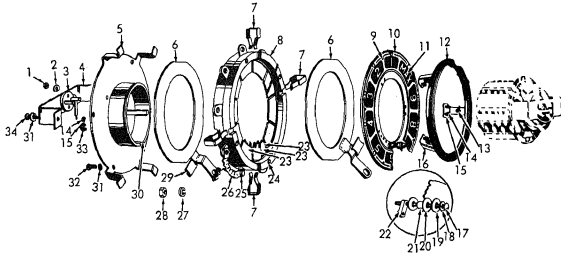
INDEX TO PARTS, FIGURE 19

Reference Number	Functional Group	Item Name
1	4405	NUT
2	4406	NUT
3	4408	WASHER
4	4408	WASHER
5	4406	INSULATOR
6	4408	STUD
7	4405	WASHER

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Figure 19. Connecting Device (2).

SOURCE CODES		TECHNICAL SERVICE	SOURCE	RECOVER-ABILITY	FEDERAL NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPEN-DITURE	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			FIG. NO.	ITEM NO.
MAINTENANCE	REPAIR									ORGANIZATIONAL	2ND ECH			
												1-5 EGP			6-10 EGP
4410 - SWITCHING, TIMING AND SPEED CONTROL (cont)														
11	X2	0			5970-306-2814	PLATE, INSULATION, RANGE SWITCH (28035) AW929			2	*	*	*	21	29
11	X2	0			5905-447-4196	RESISTANCE ELEMENT (28035) AW335			1	*	*	*	21	26
11	X1				9930-447-4231	RING, CONTACT (28035) AW90A			1	*	*	*	21	6
9	X2	0			5301-387-9666	RING, CONTACT CONTROL (28035) AW959			1	*	*	*	21	8
9	X2	0			5305-010-6974	SCREW, CAP, HEXAGON HEAD: resistance element mtg, 3/8-16 thd size; 1/2 in. lg			1	*	*	*	21	25
9	X2	0			3305-011-9961	SCREW, MACHINE: contact finger mtg, 1/4-20 thd size; 1 1/4 in. lg			2	*	*	*	21	17
9	X2	0			3305-011-0499	SCREW, MACHINE: handwheel bracket mtg and rheostat catch, No. 10-24 thd size; 3/8 in. lg			7	*	*	*	21	14
9	X2	0			5305-463-1344	SCREW, MACHINE: internal housing mtg, 1/4-20 thd size; 5/8 in. lg			4	*	*	*	21	32
9	X2	0			5305-275-9837	SCREW, MACHINE: rear panel and bracket mtg, 1/4-20 thd size; 3/8 in. lg			2	*	*	*	21	34
9	X2	0			3305-042-6632	SCREW, TAPPING, THREAD FORMING: dial mtg, cadmium or zinc plated; No. 4-24 thd size; 3/16 in. lg			5	*	*	*	21	11
9	X2	0			5305-167-2227	SCREW, TAPPING, THREAD FORMING: handwheel bracket mtg, cadmium or zinc plated; No. 8-18 thd size; 1/2 in. lg			3	*	*	*	21	13
9	X2	0			5310-186-7358	WASHER, LOCK: rheostat catch, brass; 0.187 in. id, 0.375 in. od, 0.049 in. thk	(28035) B130		1	*	*	*	21	33
9	X2	0			5310-010-3319	WASHER, LOCK: contact finger mtg, cadmium or zinc plated; 0.255 in. id, 0.493 in. od, 0.062 in. thk			2	*	*	*	21	31
9	X2	0			5310-017-4916	WASHER, LOCK: contact finger mtg, cadmium or zinc plated; 0.262 in. id, 0.742 in. od, 0.036 in. thk			2	*	*	*	21	19
9	X2	0			5310-010-4497	WASHER, LOCK: handwheel bracket mtg and rheostat catch, 0.194 in. id, 0.337 in. od, 0.047 in. thk			7	*	*	*	21	15
9	X2	0			5310-010-3319	WASHER, LOCK: internal housing mtg, rear bracket mtg, contact finger, 0.255 in. id, 0.493 in. od, 0.062 in. thk			8	*	*	*	21	18
9	X2	0			5310-010-4495	WASHER, LOCK: remote control plug, 0.141 in. id, 0.253 in. od, 0.031 in. thk			2	*	*	*	21	2
9	X2	0			5310-261-7340	WASHER, LOCK: resistance element mtg, 0.382 in. id, 0.609 in. od, 0.064 in. thk			1	*	*	*	21	27
9	X2	0			5330-447-4192	WASHER, NONMETALLIC: fiber; 25/64 in. id, 5/8 in. od, 1/8 in. thk	(28035) M1074		4	*	*	*	21	20
9	X2	0			5305-201-0382	SCREW, CAP, HEXAGON HEAD: solenoid coil mtg, 1/4-20 thd size; 3/4 in. lg			2	*	*	*	20	10
9	X2	0			5305-016-9737	SCREW, MACHINE: time delay switch mtg, No. 4-32 thd size; 3/8 in. lg			2	*	*	*	20	12
9	X2	0			5305-016-9554	SCREW, TAPPING, THREAD FORMING: multi-range and polarity switch mtg, cadmium or zinc plated; 1/4-28 thd size; 3/8 in. lg			6	*	*	*	16	1
11	P1	0			5900-258-5541	SWITCH, TOGGLE: idle device	(28035) FM1312		1	See Group 9901			17	14
11	P1	0			5930-272-1382	SWITCH, TOGGLE: polarity	(28035) AM794		1	*	*	*	16	15
9	X2	0			5310-017-5124	WASHER, LOCK: multi-switch top mtg, 0.382 in. id, 0.742 in. od, 0.036 in. thk			2	*	*	*	20	11
9	X2	0			5310-010-3319	WASHER, LOCK: solenoid coil mtg, 0.255 in. id, 0.493 in. od, 0.062 in. thk			2	*	*	*	20	11
9	X2	0			5310-010-4495	WASHER, LOCK: time delay switch mtg, 0.141 in. id, 0.253 in. od, 0.031 in. thk			2	*	*	*		

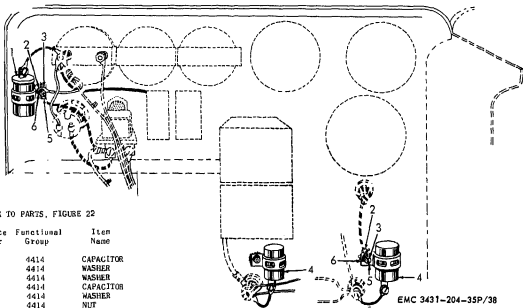


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Figure 21. Multirange Switch.

INDEX TO PARTS, FIGURE 21

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	4410	NUT	13	4410	SCREW	24	4410	CATCH
2	4410	WASHER	14	4410	SCREW	25	4410	SCREW
3	4410	CONNECTOR	15	4410	WASHER	26	4410	RESISTIVE ELEMENT
4	4410	BRACKET	16	4410	BRACKET	27	4410	WASHER
5	4410	HOUSING	17	4410	SCREW	28	4410	NUT
6	4410	RING	18	4410	WASHER	29	4410	PLATE
7	4410	CLIP	19	4410	WASHER	30	4410	CATCH
8	4410	RING	20	4410	WASHER	31	4410	WASHER
9	4410	DISC	21	4410	INSULATOR	32	4410	SCREW
10	4410	PLATE	22	4410	CONTACT	33	4410	WASHER
11	4410	SCREW	23	4410	CONTACT	34	4410	SCREW
12	4410	HANDWHEEL						



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Figure 22. Radio Interference Suppression.

INDEX TO PARTS, FIGURE 22

Reference Number	Functional Group	Item Name
1	4414	CAPACITOR
2	4414	WASHER
3	4414	WASHER
4	4414	CAPACITOR
5	4414	WASHER
6	4414	NUT

SOURCE CODES		FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABLE IN QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS	ILLUSTRATIONS
TECHNICAL SERVICE	RECOVERABILITY					ORGANIZATIONAL MAINTENANCE	ITEM NO.
SOURCE	MAINTENANCE					2ND ECH	
						1-5 EXP	6-10 EXP
			4702 - GAGES, MOUNTINGS, LINES AND FITTINGS (cont)				
P1	O	6490-100-5727	GAGE, PRESSURE DIAL INDICATING, oil				
P1	O	6490-100-5991	INDICATOR, LIQUID QUANTITY; fuel, rocker type		1	*	17 6
P1	O	6685-417-4234	THERMOMETER, INDICATING, CAPILLARY TUBE AND BULB: 100-220°		1	*	7 1
H	O		TUBE, COPPER; oil gage to engine MANUFACTURE FROM: INVERTED NUT, TUBE COUPLING: 1/4 in. od tube; 7/16-24 thd size TUBE, COPPER (19 in. required)		1	*	17 2
X2	O	4730-142-1593			2	*	17 9
P	O	4710-217-5525		PT	See Group	9501	17 10
			GROUP 76 - FIRE FIGHTING EQUIPMENT 1603 - FIRE EXTINGUISHERS				
P1	O	4210-100-0031	CYLINDER, CHARGED; for extinguisher, fire, monobromotrifluoromethane, CP ₃ Bz 2.75 lb (OE)		1	*	
P1	O	4210-100-3516	SEAL, SELF-LOCKING; for extinguisher, fire, monobromotrifluoromethane, CP ₃ Bz (OE)		1	*	
			GROUP 95 - GENERAL USE STANDARDIZED PARTS 9501 - BULK MATERIAL				
11	P	6165-171-3378	BRAID, WIRE; copper; No. 34 AWG	PT		*	
9	O	4720-540-5439	HOSE, RUBBER: 1 1/2 in. id	PT		*	
10	P	5970-238-4942	INSULATION SHEET, ELECTRICAL: 0.025 in. tsk. 51 in. w. 75 in. lg	SH		*	
P	O	5330-233-5947	PAPER, GASNET: 36 in. w. 1/16 in. thk (OE)	YO		*	
P	O	4710-217-5525	TUBE, COPPER: 0.250 in. dia	PT		*	
			GROUP 99 - PARTS PECILIAR 9901 - PARTS PECILIAR WITH MORE THAN ONE APPLICATION				
X2	O		ADAPTER (28635) 0K6327		10	*	
11	P	5910-161-6876	CAPACITOR, FIXED, PAPER DIELECTRIC: 0.1, uf, 100v, dc		4	(1)	(1)
11	P1	5930-238-5541	SWITCH, TOGGLE		2	*	

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NUMBER	CODE	PAGE	NUMBER	CODE	PAGE	NUMBER	CODE	PAGE	NUMBER	CODE	PAGE	NUMBER	CODE	PAGE
5950-371-5481	74865	41	601420	74865	10	635040	74865	25	646354	74865	8	861584	74865	8
5950-374-5052		41	604304	74865	10	627480	74865	3	667571	74865	25	861610	74865	8
5950-374-5068		41	608473	74865	5	629792	74865	17	6680-406-2997		46	861634	74865	13
5950-374-5069		41	6113-025-3109	74865	37	637191	74865	1,11	6680-475-6576		5	861658	74865	2,23
5950-374-5070		41	6113-025-3109	74865	37	637192	74865	1,2	6680-475-6576		5	861682	74865	2
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5950-374-5072		41	6113-025-3109	74865	37	637194	74865	1,2	6680-475-6576		5	861730	74865	2
5950-374-5073		41	6113-025-3109	74865	37	637195	74865	1,2	6680-475-6576		5	861754	74865	2
5950-374-5074		41	6113-025-3109	74865	37	637196	74865	1,2	6680-475-6576		5	861778	74865	2
5950-374-5075		41	6113-025-3109	74865	37	637197	74865	1,2	6680-475-6576		5	861802	74865	2
5950-374-5076		41	6113-025-3109	74865	37	637198	74865	1,2	6680-475-6576		5	861826	74865	2
5950-374-5077		41	6113-025-3109	74865	37	637199	74865	1,2	6680-475-6576		5	861850	74865	2
5950-374-5078		41	6113-025-3109	74865	37	637200	74865	1,2	6680-475-6576		5	861874	74865	2
5950-374-5079		41	6113-025-3109	74865	37	637201	74865	1,2	6680-475-6576		5	861898	74865	2
5950-374-5080		41	6113-025-3109	74865	37	637202	74865	1,2	6680-475-6576		5	861922	74865	2
5950-374-5081		41	6113-025-3109	74865	37	637203	74865	1,2	6680-475-6576		5	861946	74865	2
5950-374-5082		41	6113-025-3109	74865	37	637204	74865	1,2	6680-475-6576		5	861970	74865	2
5950-374-5083		41	6113-025-3109	74865	37	637205	74865	1,2	6680-475-6576		5	862000	74865	2
5950-374-5084		41	6113-025-3109	74865	37	637206	74865	1,2	6680-475-6576		5	862024	74865	2
5950-374-5085		41	6113-025-3109	74865	37	637207	74865	1,2	6680-475-6576		5	862048	74865	2
5950-374-5086		41	6113-025-3109	74865	37	637208	74865	1,2	6680-475-6576		5	862072	74865	2
5950-374-5087		41	6113-025-3109	74865	37	637209	74865	1,2	6680-475-6576		5	862096	74865	2
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5950-374-5097		41	6113-025-3109	74865	37	637219	74865	1,2	6680-475-6576		5	862336	74865	2
5950-374-5098		41	6113-025-3109	74865	37	637220	74865	1,2	6680-475-6576		5	862360	74865	2
5950-374-5099		41	6113-025-3109	74865	37	637221	74865	1,2	6680-475-6576		5	862384	74865	2
5950-374-5100		41	6113-025-3109	74865	37	637222	74865	1,2	6680-475-6576		5	862408	74865	2
5950-374-5101		41	6113-025-3109	74865	37	637223	74865	1,2	6680-475-6576		5	862432	74865	2
5950-374-5102		41	6113-025-3109	74865	37	637224	74865	1,2	6680-475-6576		5	862456	74865	2
5950-374-5103		41	6113-025-3109	74865	37	637225	74865	1,2	6680-475-6576		5	862480	74865	2
5950-374-5104		41	6113-025-3109	74865	37	637226	74865	1,2	6680-475-6576		5	862504	74865	2
5950-374-5105		41	6113-025-3109	74865	37	637227	74865	1,2	6680-475-6576		5	862528	74865	2
5950-374-5106		41	6113-025-3109	74865	37	637228	74865	1,2	6680-475-6576		5	862552	74865	2
5950-374-5107		41	6113-025-3109	74865	37	637229	74865	1,2	6680-475-6576		5	862576	74865	2
5950-374-5108		41	6113-025-3109	74865	37	637230	74865	1,2	6680-475-6576		5	862600	74865	2
5950-374-5109		41	6113-025-3109	74865	37	637231	74865	1,2	6680-475-6576		5	862624	74865	2
5950-374-5110		41	6113-025-3109	74865	37	637232	74865	1,2	6680-475-6576		5	862648	74865	2
5950-374-5111		41	6113-025-3109	74865	37	637233	74865	1,2	6680-475-6576		5	862672	74865	2
5950-374-5112		41	6113-025-3109	74865	37	637234	74865	1,2	6680-475-6576		5	862696	74865	2
5950-374-5113		41	6113-025-3109	74865	37	637235	74865	1,2	6680-475-6576		5	862720	74865	2
5950-374-5114		41	6113-025-3109	74865	37	637236	74865	1,2	6680-475-6576		5	862744	74865	2
5950-374-5115		41	6113-025-3109	74865	37	637237	74865	1,2	6680-475-6576		5	862768	74865	2
5950-374-5116		41	6113-025-3109	74865	37	637238	74865	1,2	6680-475-6576		5	862792	74865	2
5950-374-5117		41	6113-025-3109	74865	37	637239	74865	1,2	6680-475-6576		5	862816	74865	2
5950-374-5118		41	6113-025-3109	74865	37	637240	74865	1,2	6680-475-6576		5	862840	74865	2
5950-374-5119		41	6113-025-3109	74865	37	637241	74865	1,2	6680-475-6576		5	862864	74865	2
5950-374-5120		41	6113-025-3109	74865	37	637242	74865	1,2	6680-475-6576		5	862888	74865	2
5950-374-5121		41	6113-025-3109	74865	37	637243	74865	1,2	6680-475-6576		5	862912	74865	2
5950-374-5122		41	6113-025-3109	74865	37	637244	74865	1,2	6680-475-6576		5	862936	74865	2
5950-374-5123		41	6113-025-3109	74865	37	637245	74865	1,2	6680-475-6576		5	862960	74865	2
5950-374-5124		41	6113-025-3109	74865	37	637246	74865	1,2	6680-475-6576		5	862984	74865	2
5950-374-5125		41	6113-025-3109	74865	37	637247	74865	1,2	6680-475-6576		5	863008	74865	2
5950-374-5126		41	6113-025-3109	74865	37	637248	74865	1,2	6680-475-6576		5	863032	74865	2
5950-374-5127		41	6113-025-3109	74865	37	637249	74865	1,2	6680-475-6576		5	863056	74865	2
5950-374-5128		41	6113-025-3109	74865	37	637250	74865	1,2	6680-475-6576		5	863080	74865	2
5950-374-5129		41	6113-025-3109	74865	37	637251	74865	1,2	6680-475-6576		5	863104	74865	2
5950-374-5130		41	6113-025-3109	74865	37	637252	74865	1,2	6680-475-6576		5	863128	74865	2
5950-374-5131		41	6113-025-3109	74865	37	637253	74865	1,2	6680-475-6576		5	863152	74865	2
5950-374-5132		41	6113-025-3109	74865	37	637254	74865	1,2	6680-475-6576		5	863176	74865	2
5950-374-5133		41	6113-025-3109	74865	37	637255	74865	1,2	6680-475-6576		5	863200	74865	2
5950-374-5134		41	6113-025-3109	74865	37	637256	74865	1,2	6680-475-6576		5	863224	74865	2
5950-374-5135		41	6113-025-3109	74865	37	637257	74865	1,2	6680-475-6576		5	863248	74865	2
5950-374-5136		41	6113-025-3109	74865	37	637258	74865	1,2	6680-475-6576		5	863272	74865	2
5950-374-5137		41	6113-025-3109	74865	37	637259	74865	1,2	6680-475-6576		5	863296	74865	2
5950-374-5138		41	6113-025-3109	74865	37	637260	74865	1,2	6680-475-6576		5	863320	74865	2
5950-374-5139		41	6113-025-3109	74865	37	637261	74865	1,2	6680-475-6576		5	863344	74865	2
5950-374-5140		41	6113-025-3109	74865	37	637262	74865	1,2	6680-475-6576		5	863368	74865	2
5950-374-5141		41	6113-025-3109	74865	37	637263	74865	1,2	6680-475-6576		5	863392	74865	2
5950-374-5142		41	6113-025-3109	74865	37	637264	74865	1,2	6680-475-6576		5	863416	74865	2
5950-374-5143		41	6113-025-3109	74865	37	637265	74865	1,2	6680-475-6576		5	863440	74865	2
5950-374-5144		41	6113-025-3109	74865	37	637266	74865	1,2	6680-475-6576		5	863464	74865	2
5950-374-5145		41	6113-025-3109	74865	37	637267	74865	1,2	6680-475-6576		5	863488	74865	2
5950-374-5146		41	6113-025-3109	74865	37	637268	74865	1,2	6680-475-6576		5	863512	74865	

By Order of the Secretary of the Army:

EARLE G. WHEELER,
General, United States Army,
Chief of Staff.

Official:

J. C. LAMBERT,
Major General, United States Army,
The Adjutant General.

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OSA (2)	5-36	29-1 55-137
Dist Engr (2) except Alaska,	5-45	29-11 55-157
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Los Angeles, New Orleans,	5-54	29-16 55-225
New York, Louisville, Pitts-	5-77	29-21 55-227
burgh, San Francisco,	5-78	29-25 55-228
Omaha, Seattle, Kansas	5-114	29-26 55-235
City, Baltimore, Ft Worth,	5-115	29-35 55-237
Eastern Ocean, Philadel-	5-117	29-36 55-238
phia, Rock Island, St Louis,	5-118	29-51 55-500 1E
St Paul (1)	5-124	29-62 55-557
		29-55 57

NG: State AG (3).

USAR: Same as active Army except allowance is one copy to each unit.

For explanation of abbreviations used, see AR 320-50.

TM 5-3431-204-20P WELDING MACHINE, ARC: GENERATOR; GASOLINE ENGINE DRIVEN—1963

PIN : 025495-000